



**U.S. DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE  
Back Bay National Wildlife Refuge  
4005 Sandpiper Road  
Virginia Beach, VA 23456  
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**NESTING LOGGERHEAD SEA TURTLE ACTIVITY REPORT  
1998**

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**Prepared for Department of the Army  
U.S. Army Corps of Engineers  
Norfolk, VA**

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# NESTING LOGGERHEAD SEA TURTLE ACTIVITY AT THE BACK BAY NATIONAL WILDLIFE REFUGE - 1998

## ABSTRACT

This paper presents results from the sixth annual study of nesting along the Atlantic Oceanfront by the loggerhead sea turtle (*Caretta caretta*) in Virginia Beach, Virginia during 1998. All surveys were carried out by staff of the Back Bay National Wildlife Refuge, Virginia Beach, Virginia, throughout the sea turtle nesting season. Two seasonal, full-time biological technicians were hired through funding support from the U.S. Army Corps of Engineers, Norfolk, Virginia, to search twenty-five miles of beach along the northern periphery of the nesting range of the Loggerhead. Refuge biologists investigated two nesting attempts during 1998. Of the two nesting attempts, both were functional nests. No false crawls were located during 1998. Both nests were located on Back Bay National Wildlife Refuge. No nests were located along the oceanfront of the Virginia Beach Resort area, south of Fort Story, this year. No nesting loggerhead sea turtles were captured by Refuge personnel, since the Virginia Institute of Marine Science had to return a defective transmitter during the best turtle capture period (late July-early August). Night-time patrols were carried out by numerous volunteers and Refuge personnel during August 9-13, however, no sea turtle was located.

## I. INTRODUCTION

The Atlantic leatherback, the Atlantic loggerhead, the Atlantic green, and the Kemp's ridley sea turtle are the four sea turtles regularly seen in Virginia waters (Keinath, Musick, and Byles 1987). All of these are listed as either threatened or endangered (50 CFR 1981). The loggerhead, (*Caretta caretta*) is the only recurrent sea turtle species nesting on beaches of the Atlantic Oceanfront of Virginia Beach. Pollution, exploitation, poor fishing practices and habitat modification have aided in the loggerhead's decline. Since sea turtles come ashore only to lay eggs (Dodd 1988), nesting provides a rare opportunity to learn about them.

The twenty-five miles of beach regularly searched for loggerhead sea turtle use this year, occur along the northern extent of the established nesting range for this species in the United States. Loggerhead activity often occurs during the summer in and around the Chesapeake Bay. The Chesapeake serves as a developmental feeding area for immature loggerheads (Lutcavage and Musick 1985; Keinath, Musick and Barnard 1989).

Loggerhead females generally nest on a 2 to 4 year cycle, and lay from one to six nests a season (Ehrhart 1979; Dodd 1988). The internesting interval varies from 12 to 16 days, with an average of 14 days (Frazer 1984; Dodd 1988). Sea turtles generally return to the same area to lay successive clutches of eggs, usually within a 5 km radius of the first nest (Dodd 1988).

For the last six years, personnel of the Back Bay National Wildlife Refuge have been patrolling the Virginia Beach Resort oceanfront in search of loggerhead sea turtle nests. This has been made possible by funding provided to the Refuge by the U.S. Army Corps of Engineers, in conjunction with their study of beach replenishment impacts to nesting sea turtles. During the summer of 1993, the first cooperative agreement was established between the Corps and the Refuge. Through this agreement, the Corps also provided funding to the Refuge, to determine the extent of nesting sea turtle use along the Virginia Beach oceanfront. The Refuge then hired and trained seasonal biological technicians to patrol this oceanfront and detect sea turtle crawls and any other nesting signs. Because the loggerhead is a federally listed Threatened species, research on, and management of, its nesting activities has been conducted at the Refuge since 1970. The U.S. Fish and Wildlife Service employs protective measures and also funds research projects that aid in the conservation of this federally threatened species, often in partnership with other federal and state agencies.

During 1998, the Corps provided the Refuge with \$18,500 for the nesting sea turtle study. Thirty-eight percent of the funding was absorbed by the Denver Finance Center, for administrative costs; while the remaining 62% was dedicated to the purchase of a new Suzuki, 4-wheel-drive, all-terrain-vehicle (ATV), and the salaries of the two seasonal biological technicians hired to patrol the oceanfronts. Additional miscellaneous equipment and materials costs, all-terrain-vehicle repairs and maintenance, gas and oil, and additional support staff for turtle patrols were absorbed by the Refuge budget.

## **II. MATERIALS AND METHODS**

Seasonal biological technicians and permanent Refuge staff logged well over 700 hours managing and collecting information on sea turtle nesting for the 1998 sea turtle nesting season. As during past years, Refuge personnel conducted sea turtle crawl surveys, via all-terrain-vehicles (ATVs) on five segments of oceanfront beach during 1998. Those beaches included (from north to south): (1) the Fort Story to Rudee Inlet area, including Croatan Beach (See Figure #1); (2) the Town of Sandbridge; (3) Little Island City Park; (4) Back Bay National Wildlife Refuge; and (5) False Cape State Park. All areas were patrolled on a daily basis, seven days a week. The Carova and Corolla oceanfronts in North Carolina were not patrolled this year; since Endangered Species Biologist Ruth Boettcher of the North Carolina Wildlife Resources Commission assumed responsibility for those areas during 1998. Mackay Island National Wildlife Refuge also provided assistance to Ruth in patrolling those North Carolina areas during 1998.

Surveys were conducted by ATV every morning before 0900 hours (May 19 through August 28). Patrols along the Fort Story to Rudee Inlet and Croatan Beach were conducted every morning, starting at 0530 hours (June 1 through August 28), in order to search as much beach as possible before the City of Virginia Beach's "Beachscapers" smoothed the beaches. Patrols took place above the high tide line while traveling in one direction, and along the water's edge on the return trip.



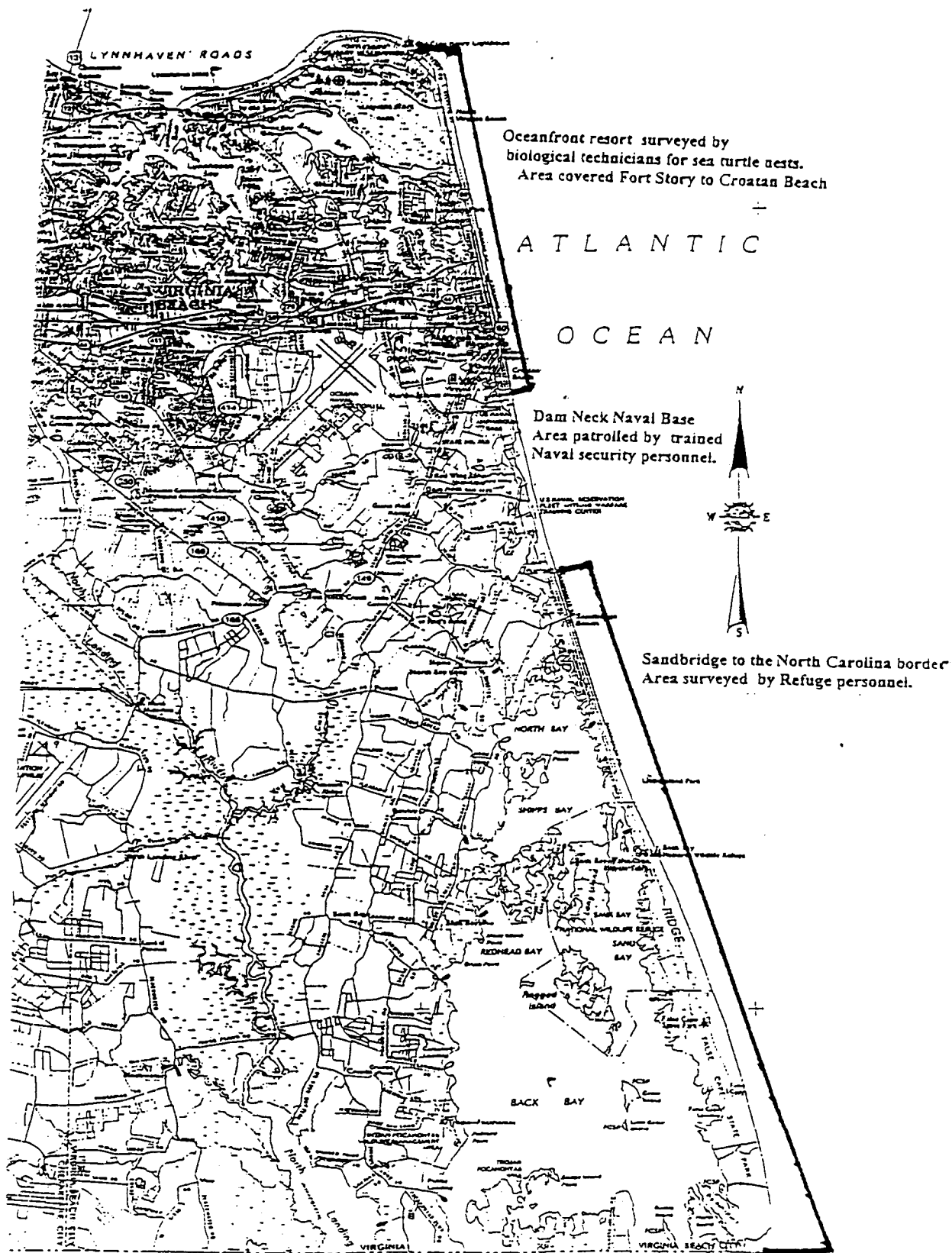


Figure 1. Virginia vicinity map showing beach segments surveyed from sea turtle nesting activity in 1998.



Loggerhead sea turtle crawl located 3/4 mile north of Back Bay's beach access ramp. First sea turtle crawl of 1998.

All sea turtle crawls were searched for nests. Metric tape was used to measure crawl widths at three points. An average of the three measurements represented the crawl width of the nesting female. Additional measurements of nest dimensions were also recorded. Afterwards, each nest was carefully excavated to find any eggs laid by the loggerhead. When eggs were discovered, they were carefully removed and transported to a protected hatchery site within the Back Bay National Wildlife Refuge. At the hatchery site, the eggs were transferred to a predator proof cage and reburied at the same depth as the original nest. Approximately two weeks prior to the expected hatch date, twice daily checks of the relocated nest were carried out, to detect hatchlings and minimize their time spent in the nest "cage." Hatchlings were released on the night of their emergence this year.

In addition to patrolling for turtle nests, Refuge personnel also collected data on sea turtle strandings in the surveyed area. Each stranding was measured and examined for trauma and cause of death. This data was sent to the Virginia Institute of Marine Science and the National Marine Fisheries Service. Copies of those reports are included in this Report as Appendix 2 (Ref. Section E of Results and Discussion).

### **III. RESULTS AND DISCUSSION**

#### **A. AREA COVERAGE**

Over seven hundred hours of sea turtle patrol or sea turtle related hours were logged by trained Refuge personnel. Approximately, ten miles of oceanfront beach were covered from Fort Story to Croatan Beach; and fifteen miles from the Dam Neck Naval Facility border in Sandbridge, to the North Carolina border. The area covered along Sandbridge Beach varied with high tides, since the narrowness of the beach, bulkheads, beach erosion and high winds made portions of the beach inaccessible by ATV on nearly 50% of all patrol days prior to mid-July. On those occasions, Refuge staff would walk out to such areas from the parallel Sandfiddler Road and view most of the missed area through binoculars. Upon completion of the sand replenishment project on Sandbridge Beach in July, patrols were unimpeded over its full length.

Patrols of the Sandbridge-Back Bay Refuge-False Cape State Park oceanfront commenced on May 19<sup>th</sup>. The Fort Story to Rudee Inlet/Croatan Beach patrols commenced on June 1<sup>st</sup>. All patrols ended on August 28<sup>th</sup>. The possibility exists nests went undetected along the Fort Story-Croatan Beach segment; since beach cleaning and sandsweeping is conducted by the City daily, between 0230 to 0900 hours. The beach maintenance crew clears and grooms (smooths) the entire beach of debris and tracks, making crawl detection nearly impossible. Although, Refuge beach patrols start at 0530 hours, City workers often have portions of the beach already groomed by then. To deal with this conflict, Refuge biological staff continue to maintain contact with the City Maintenance Staff working the beach, and hand out information on sea turtle crawl recognition, nesting, and who to contact should they locate a crawl.

Night-time patrols were scheduled for July 29 - August 2, 1998; however, discovery by Soraya Bartol of VIMS, that the new turtle transmitter was defective caused a cancellation until the replacement transmitter could arrive. The transmitter arrived in time for the next, night-time patrol scheduled (after the second turtle nest) August 9-13. Unfortunately, no sea turtle returned for capturing and transmitting during those night-time patrols. Refuge staff remained informed about and involved with this effort, as it transpired. Normally, night-time turtle patrols occur 12 to 16 days after a nest is discovered, when the nesting turtle usually returns to nest a second or third time.

#### **B. NESTING ACTIVITIES**

From May to August 1998, surveys for nesting sea turtles were conducted on the aforementioned beaches. June to late August surveys of the Resort beaches yielded no sea turtle crawls/nests.

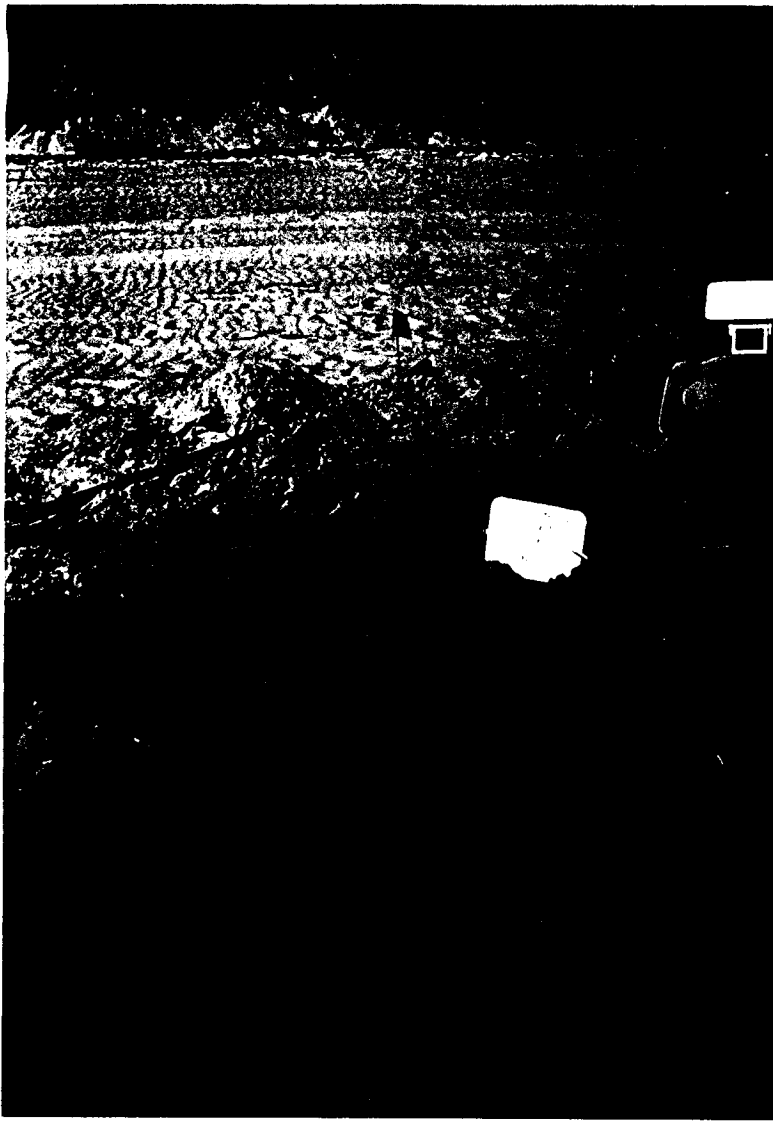
Nest #1 was discovered on July 20, 1998, by Refuge staff member, Sara Williams. Ninety-four eggs were excavated at 1010 hours, and removed from the nest cavity. Photographs were taken of the turtle crawl, nest site and eggs. Measurements of the crawl and nest cavity were also recorded.

The second nest was discovered ten days later. It could have come from the same female that produced Nest #1. At 1035 hours, 168 eggs had been excavated and removed from the cavity. Photographs were taken of the crawl, nest site and eggs. Measurements of the crawl and nest cavity were also recorded.

The excavated nests were carefully moved to a safer, "nursery" location within the Back Bay National Wildlife Refuge by Refuge biological staff, placed into predator-proof cages, and reburied.



Nest #1 discovered on July 20, 1998



Nest cavity at site #1 after excavation by Refuge personnel.



Turtle crawl #2 discovered approximately 1 mile north of False Cape State Park on Back Bay NWR by Refuge ATV patrol.



Nest #2 shown abutting the fore-dune.



Refuge personnel removing eggs from nest cavity #2.

Nest Relocation Data Reports are included as Appendix 1. Sea turtle nest fates for 1998 are summarized in the following table:

**Table 1. 1998 CHRONOLOGY OF LOGGERHEAD SEA TURTLE NESTING**

| NEST # | DATE OF NESTING | LOCATION CODE          | NUMBER OF EGGS EXCAVATED | EXPECTED HATCH DATE | ACTUAL HATCH DATE       |
|--------|-----------------|------------------------|--------------------------|---------------------|-------------------------|
| 1      | July 20, 1998   | Back Bay NWR           | 94                       | September 17, 1998  | Sept. 24 - Oct. 5, 1998 |
| 2      | July 30, 1998   | Back Bay NWR           | 168                      | September 27, 1998  | October 3 - 9, 1998     |
|        |                 | Tl # of eggs excavated | 262                      |                     |                         |

### C. HATCH RESULTS

Refuge personnel excavated two loggerhead sea turtle nests during 1998. Nest success is detailed in Table 2. A total of two hundred sixty-two loggerhead sea turtle eggs were excavated and re-buried in the Refuge nursery by Refuge staff. Two hundred thirty-six loggerhead hatchlings were released into the Atlantic Ocean from the Refuge beach. Refuge staff released the first set of hatchlings from the first nest during the daylight hours of September 24 on an outgoing high tide. Two hatchlings were released to the Virginia Marine Science Museum (Kim Goldman) on September 24, 1998, for scientific observations detailing growth rate and for public education. The majority of the hatchlings from the second nest were released a few hours after dusk on October 3.

Table 3. Details an egg analysis for each nest during 1998. Soil and air temperatures were taken at the nursery site during the twice daily checks of each nest, 10-14 days prior to the expected hatch date. On average, the 1998 loggerhead nesting success rate was 90 percent. The percent of nesting success was calculated based on number of hatchlings successfully released.

Nests were devoid of Red ant infestations this year. Future nursery sites will continue to be examined closely for red ant colonies, prior to nest relocation. Red ant colonies must be avoided.

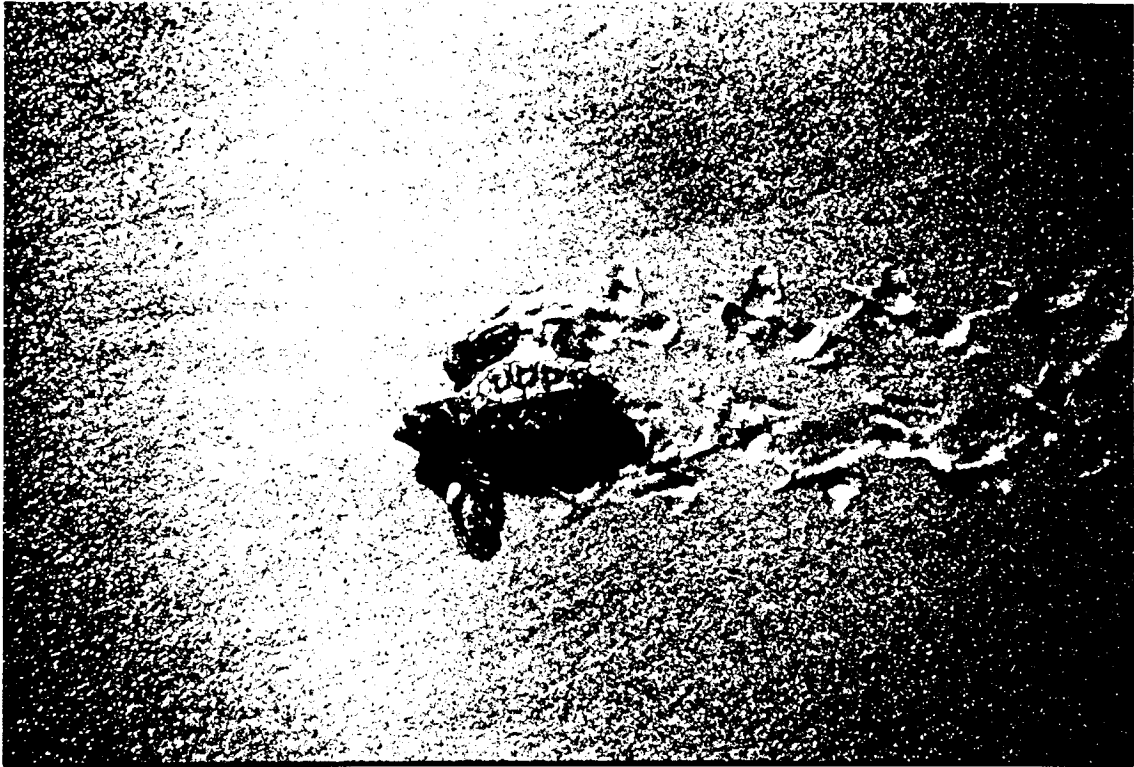


Cages like this one, protect the eggs from predators.



Biological staff rebury the eggs to the same depth as the female loggerhead laid them.





A loggerhead sea turtle hatchling from nest # 1.



6 of the total 236 loggerhead hatchlings released during 1998 from the shoreline of Back Bay NWR into the Atlantic Ocean.

**Table 2. 1998 Loggerhead Sea Turtle Nest Success Summary**

| Nest #        | # Eggs Laid | # Eggs Hatched | # Hatchlings Released | # Unhatched Eggs | # Dead Hatchlings | Nesting Success (%) | Comments  |
|---------------|-------------|----------------|-----------------------|------------------|-------------------|---------------------|---|
| 1             | 94          | 83             | 79                    | 11               | 0                 | 88                  | Virginia Marine Science Museum received four live hatchlings at the time of hatching for growth research and public education. All but one of the live hatchlings emerged on September 24; the last one emerged 11 days later on October 5. |
| 2             | 168         | 155            | 155                   | 7                | *6                | 92                  | Refuge personnel preserved one of the dead hatchlings for possible educational value in the Visitor Contact Station at Back Bay NWR. (*dead hatchlings were not counted as eggs hatched since they did not emerge from the nest)            |
| <b>Totals</b> | 262         | 238            | 234                   | 18               | *6                | ----                |   |

**Table 3. 1998 Loggerhead Sea Turtle Egg Analysis Summary**

| Nest #       | # Eggs Laid | # Eggs Hatched | # Eggs Infertile | # Eggs Predated | # Eggs Addled | # Dead Embryos | # Unhatched Reason Unknown | Comments   |
|--------------|-------------|----------------|------------------|-----------------|---------------|----------------|----------------------------|--|
| 1            | 94          | 83             | 1                | 1               | 1             | 2              | 0                          | 6 eggs unaccounted for. 1 dead hatchling found infested with worms.                                |
| 2            | 168         | 155            | 3                | 0               | 6             | 0              | 0                          | 4 eggs unaccounted for. The nest contained 6 dead hatchlings; with one partially out of the shell. |
| <b>Total</b> | 262         | 238            | 4                | 1               | 7             | 2              | 0                          |  |

#### D. CAPTURE RESULTS

No nesting loggerhead sea turtles were captured by Refuge personnel, since the Virginia Institute of Marine Science had to return a defective transmitter during the best turtle capture period (late July-early August). Night-time patrols were carried out by numerous volunteers and Refuge personnel during August 9-13, however, no sea turtle was located.

#### E. STRANDING RESULTS

While patrolling for nesting sea turtles, Refuge personnel found many sea turtle strandings. All strandings this year were believed to be post-mortem. Strandings discovered were subjected to shell measurement, visible injury examination and spray-paint, to deter would-be shell thieves. Some turtle strandings were removed from the beach and buried on the Refuge. Strandings found in areas other than Back Bay NWR or False Cape State Park, were usually disposed of by the City of Virginia Beach Sanitation Department. From May 18 to December 16, forty two turtle strandings were discovered: 10 on Back Bay National Wildlife Refuge, 11 on False Cape State Park, 9 in the community of Sandbridge, and 12 on the Fort Story/Atlantic Oceanfront. Stranding result reports are provided to the National Marine Fisheries, the Virginia Institute of Marine Science, and the Virginia Marine Science Museum (Ref. Appendix 2).

### IV. CONCLUSIONS

Virginia Beach, Virginia provides crucial nesting habitat along the northern edge of the loggerhead sea turtle nesting range. Open beaches represent the only habitat available to nesting females in this area. Annual data obtained from this study provide significant insights into the nesting sea turtle population in its northernmost range. The presence of two loggerhead turtle nests along the heavily used Virginia Beach Resort's oceanfront during 1996, emphasizes the importance of not "writing off" such public beaches by biologists. These areas should be monitored for nesting sea turtle use, if our threatened and endangered nesting sea turtle populations are to be managed seriously and efficiently.

In order to obtain a more inclusive sea turtle population estimate, Back Bay National Wildlife Refuge staff patrolled and surveyed public beaches not usually covered. They also provided training and/or information for Dam Neck Naval Base Security and Virginia Beach City "Beachscapers" personnel, in an effort to recruit additional monitoring support by those personnel most likely to encounter nesting sea turtles, and their crawls during very early morning hours. During the latter course of 1998, the Refuge purchased one new 4 wheel drive Suzuki ATV to replace an older, problematic ATV. The data gathered during the 1998 patrols provides information on the potential effects of beach replenishment projects on sea turtle nesting in this area, and how the current construction of the sea wall at the Virginia Beach Resort Oceanfront effects sea turtles nesting habitats.

Despite our inability to capture and place a transmitter on a sea turtle this year, we considered our work a success with two nests successfully relocated and successfully hatching out a high percentage of young loggerheads. This effort should continue to be supported by the Corps in the future. With out Corps funding support, this level of effort provided by Back Bay Refuge would not be possible.

#### IV. Literature Cited

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# **APPENDIX 1**

## **SEA TURTLE NEST RELOCATION DATA SHEETS**

Nest 1  
Crawl 1

# DATA SHEET FOR CRAWLS & NEST RELOCATIONS

## I. General Information (weather, time, tide level, wind speed, location, etc.)

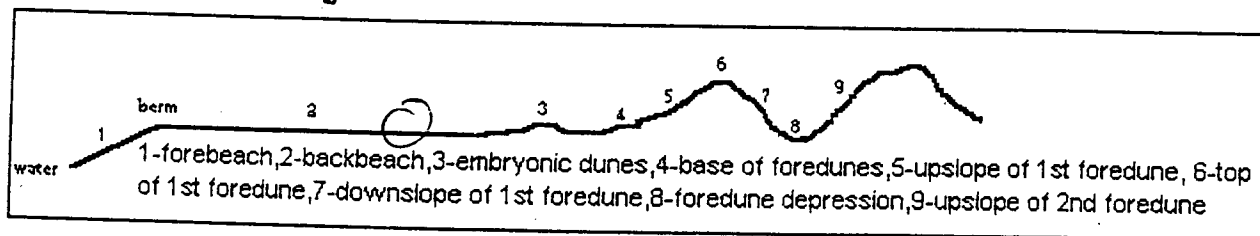
Date 7/20/98 Tide height falling - almost Low Estimated air temperature 78°F  
General weather conditions (ie. % cloud cover, rainfall) 30% cloudy, humid, hazy  
Wind speed & direction 10 mph SW Location of crawl (~, include markers) 500 yds South of BBNWR to Little Island border - BB NWR  
Latitude of Crawl 25°55'09"W Longitude of Crawl 36°41'09"N

## II. Parties Involved

Sara Williams, Jon Davis - Refuge Volunteer  
Lars Johnson - Bio Tech

## III. Data to be collected for Each Set of Tracks

Crawl # (ie. 1, 2, 3, ...) 1 Time crawl detected 8:15 am Date 7/20/98  
Track measurements: (from where first visible near surf to nest site or end of crawl)  
Length of incoming tracks (m) 14 m 70 Length of outgoing tracks (m) 15 m 30 cr. + 3 m 10 cm  
Width of incoming tracks (cm) 1 m 20 cm Width of outgoing tracks (cm) 1 m 17 cm  
\* Reading possibly inaccurate due to surveyor error or soft sand.  
Flipper impressions alternate or opposite alt Were tracks prominent? yes  
Distance from center of disturbed nesting area to toe of dunes 9 m 10 cm  
Topographical feature at end of tracks (CIRCLE area on diagram)  
Was a nest found? yes false nest? no false crawl only? no



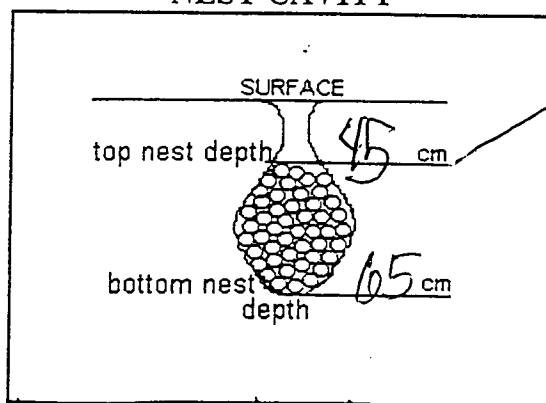
## IV. Data to be collected for Each Nest (measurements of nest, egg #, etc.)

### Original Nest Data:

Nest # (ie. 1, 2, 3, ...) 1 Crawl # 1  
Time nest excavated 9:17 until 10:10 AM  
Width of disturbed nesting area 2 m 20 cm  
Length of disturbed nesting area 3 m 10 cm  
Nest cavity width at widest pt. 17 cm  
Nest cavity length at longest pt. 28 cm  
Total # eggs 94  
#damaged eggs 0  
#broken or predated eggs 0  
Temperature of soil in nest cavity —

Notes:

Thermometer is broken - either battery or whole therm.



# DATA SHEET FOR NEST RELOCATION (cont.)

original  
top - 45  
bottom - 65  
20 cm

## Relocated Nest Data:

Time nest reburied 10:45 until 11:20

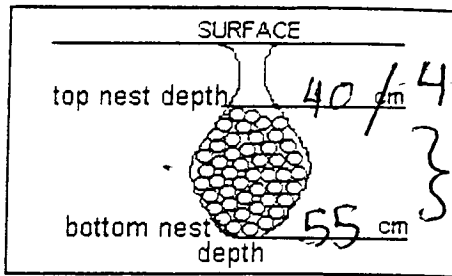
Temperature of soil in nest cavity           

Air temperature (C) 85°F

Estimated hatch date 9/17/98

tried to rebury the nest broader than the original to make sure the top nest depth was deep enough

## NEST CAVITY



## V. Data to be Collected on Hatchlings

### Hatch:

Turtle nest #(ie. 1,2,3,...) 1 Time hatch detected 8:30am 9/24/98

Hatch Period 7-20-98 to 9/24/98 Estimated hatch date 9/17/98

Incubation period (days) 67

Total # hatchlings counted 82+1 (See table below if hatch is extended.)

Location of Nursery (estimate, include markers) ~2 mi. so. of SB beach access ramp

Latitude of Nursery            Longitude of Nursery           

Date of relocated nest's excavation 11/30/98

#unhatched eggs 3(+1 lost) # dead hatchlings 1 (exten by warm)

#unhatched eggs hatched later at Visitor's Center           

storage location of dead hatchlings (if not disposed of) BURIED IN SAND YARD.

## VI. Additional Comments and Observations (diagram of tracks and nest, opinions, etc.)

Attach photos or slides and brief narrative for each nest/ hatch.

8 appeared healthy  
1 deformed flipper  
1 deformed right & left back flippers

| Date                  | Time Hatchlings discovered | # of Hatchlings | AirTemp/ Soil Temp             | Weather Conditions | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings                                     | Weather Conditions and Type of Tide (incoming or outgoing) |
|-----------------------|----------------------------|-----------------|--------------------------------|--------------------|---------------------------|--------------------------|--|--|
| 9/24                  | 8:30 AM                    | 82              | 70F                            | Sunny/cloud cover  | 10:30am                   | 80                       | 80 healthy<br>1 deformed flipper<br>1 deformed B flipper | high tide outgoing   |
| 9/5                   | 8 AM                       | 1               |                                | Sunny              | 8:15 AM                   | 1                        | healthy  | Sunny/cloud cover Low                                      |
|                       |                            |                 |                                |                    |                           |                          |  |  |
|                       |                            |                 |                                |                    |                           |                          |  |  |
|                       |                            |                 |                                |                    |                           |                          |  |  |
|                       |                            |                 |                                |                    |                           |                          |  |  |
|                       |                            |                 |                                |                    |                           |                          |  |  |
|                       |                            |                 |                                |                    |                           |                          |  |  |
|                       |                            |                 |                                |                    |                           |                          |  |  |
|                       |                            |                 |                                |                    |                           |                          |  |  |
|                       |                            |                 |                                |                    |                           |                          |  |  |
|                       |                            |                 |                                |                    |                           |                          |  |  |
|                       |                            |                 |                                |                    |                           |                          |  |  |
|                       |                            |                 |                                |                    |                           |                          |  |  |
| Total # of Hatchlings |                            | 83              | Total # of Hatchlings Released |                    | 81*                       |                          |  |  |

83 hatched  
94 eggs  
\* (2 hatchlings were released to the MUSEUM.)  
83 + 5 eggs = 88 eggs  
ACCOUNTED FOR = 6 eggs



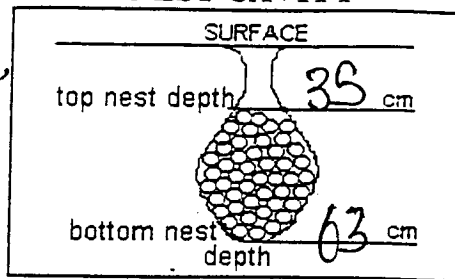
# DATA SHEET FOR NEST RELOCATION (cont.)

CRAWL #2 - NEST #2

## Relocated Nest Data:

Time nest reburied 12:25 until 1:25  
 Temperature of soil in nest cavity 27.9 °C  
 Air temperature (C) 32.5 °C  
 Estimated hatch date 9/27/98

## NEST CAVITY



original ne

31

65

34

## V. Data to be Collected on Hatchlings

### Hatch:

Turtle nest #(ie. 1,2,3,...) 2 Time hatch detected 23:30  
 Hatch Period Not known Estimated hatch date 10/3/98  
 Incubation period (days) 74  
 Total # hatchlings counted 155 (See table below if hatch is extended.)

Location of Nursery (estimate, include markers) 2 miles south of E.E. Beach Camp  
 Latitude of Nursery \_\_\_\_\_ Longitude of Nursery \_\_\_\_\_

Date of relocated nest's excavation \_\_\_\_\_

#unhatched eggs \_\_\_\_\_ # dead hatchlings \_\_\_\_\_

# unhatched eggs hatched later at Visitor's Center \_\_\_\_\_

storage location of dead hatchlings (if not disposed of) \_\_\_\_\_

## VI. Additional Comments and Observations (diagram of tracks and nest, opinions, etc.)

Attach photos or slides and brief narrative for each nest/ hatch.

| Date                  | Time Hatchlings discovered | # of Hatchlings | AirTemp/ Soil Temp             | Weather Conditions | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings                  | Weather Conditions and Type of Tide (incoming or outgoing) |
|-----------------------|----------------------------|-----------------|--------------------------------|--------------------|---------------------------|--------------------------|---------------------------------------|--|
| 10/3                  | 23:30                      | 152             | 18.8°C                         | Partly Cloudy      | 00:20                     | 152                      | Good. All released in right direction | low tide, low sun, almost full moon, very bright           |
| 10/4                  |                            | 1               |                                |                    |                           | 1                        |                                       |  |
| 10/9                  | 12:00                      | 2               |                                | Cloudy/windy       |                           | 2                        |                                       |  |
|                       |                            |                 |                                |                    |                           |                          |                                       |  |
|                       |                            |                 |                                |                    |                           |                          |                                       |  |
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|                       |                            |                 |                                |                    |                           |                          |                                       |  |
|                       |                            |                 |                                |                    |                           |                          |                                       |  |
| Total # of Hatchlings |                            | 155             | Total # of Hatchlings Released |                    |                           | 155                      |                                       |  |

155 hatched of 168 laid = 92%



Nest 2  
Crawl 2

# DATA SHEET FOR CRAWLS & NEST RELOCATIONS

## I. General Information (weather, time, tide level, wind speed, location, etc.)

Date 7/30/98 Tide height low-rising Estimated air temperature 85°F  
General weather conditions (ie. % cloud cover, rainfall) Sunny, hazy, clear  
Wind speed & direction SW 3 mph Location of crawl (~ include markers) West beach  
100g, of FORD BEACH-BACK BAY NWR, VA  
Latitude of Crawl 35° 53.66' N Longitude of Crawl 75° 38.21' W

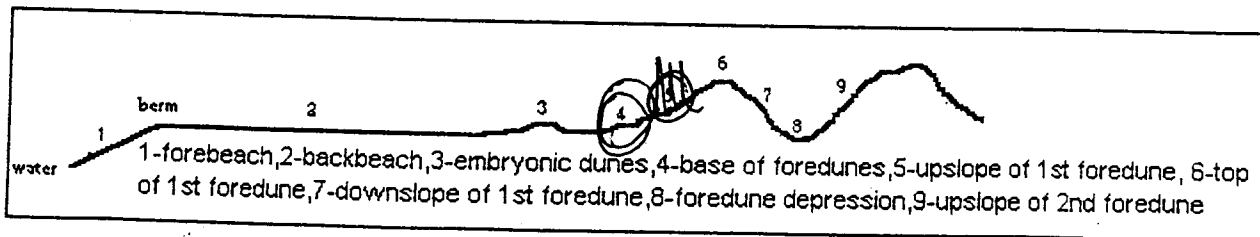
## II. Parties Involved

Sara Williams, Christopher Wicker, Paul Caldwell, John Gallegos, and Daffny Jones

## III. Data to be collected for Each Set of Tracks

Crawl # (ie. 1, 2, 3, ...) 2 Time crawl detected 8:30 AM Date 7/30/98  
Track measurements: (from where first visible near surf to nest site or end of crawl)  
\* Length of incoming tracks (m) 31m 10cm Length of outgoing tracks (m) 23m 45cm  
Width of incoming tracks (cm) 125 Width of outgoing tracks (cm) 123

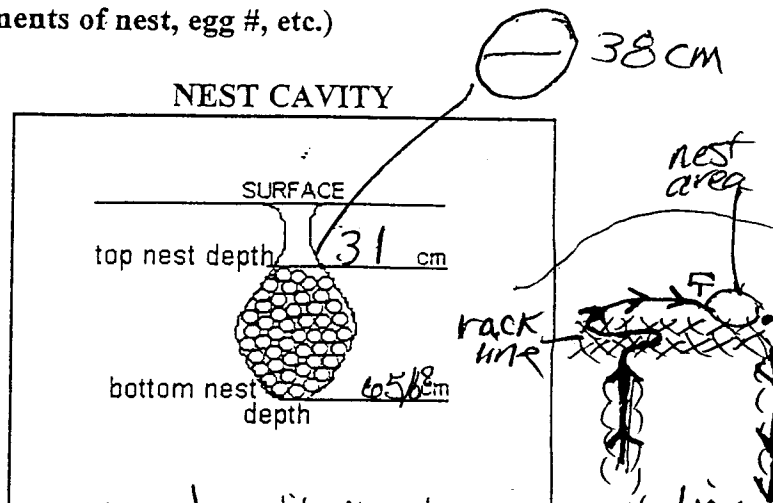
Flipper impressions alternate or opposite alt Were tracks prominent? yes  
Distance from center of disturbed nesting area to toe of dunes N4  
Topographical feature at end of tracks (CIRCLE area on diagram)  
Was a nest found? yes false nest? no false crawl only? no



## IV. Data to be collected for Each Nest (measurements of nest, egg #, etc.)

### Original Nest Data:

Nest # (ie. 1, 2, 3, ...) 2 Crawl # 2  
Time nest excavated 10:35 until 11:35  
Width of disturbed nesting area 190 cm  
Length of disturbed nesting area 320 cm  
Nest cavity width at widest pt. 31 cm  
Nest cavity length at longest pt. 37 cm  
Total # eggs 168  
#damaged eggs 0  
#broken or predated eggs 0  
Temperature of soil in nest cavity 24.3°C

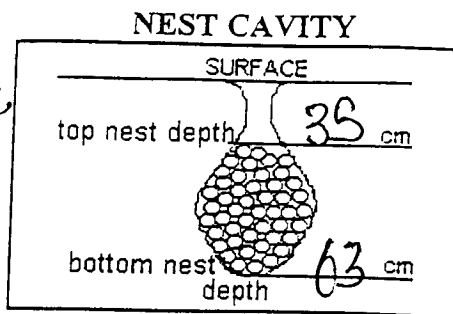


Notes: \* length of incoming & outgoing measured until the beach rack line.  
incoming crawl appears to have circled on foot of the dunes before nest area was dug.

# DATA SHEET FOR NEST RELOCATION (cont.)

## Relocated Nest Data:

Time nest reburied 12:25 until 1:25  
 Temperature of soil in nest cavity 27.9 °C  
 Air temperature (C) 32.5 °C  
 Estimated hatch date 9/27/98



original nest

31

65

34

## V. Data to be Collected on Hatchlings

### Hatch:

Turtle nest #(ie. 1, 2, 3,...) 2 Time hatch detected 23:30 hrs  
 Hatch Period Unknown Estimated hatch date 10/3/98  
 Incubation period (days) 74  
 Total # hatchlings counted 155 (See table below if hatch is extended.)

Location of Nursery (estimate, include markers) 2 mi. so. of B.R. Beach Amp  
 Latitude of Nursery \_\_\_\_\_ Longitude of Nursery \_\_\_\_\_

Date of relocated nest's excavation 11/30/98  
 # unhatched eggs 1 (to 2?) # dead hatchlings 6 (1 partially emerged from egg)  
 # unhatched eggs hatched later at Visitor's Center N/A  
 storage location of dead hatchlings (if not disposed of) SAVED for skeleton/shell for use at VCP. Nest buried in bone yard.

## VI. Additional Comments and Observations (diagram of tracks and nest, opinions, etc.)

Attach photos or slides and brief narrative for each nest/ hatch.

| Date                  | Time Hatchlings discovered | # of Hatchlings | AirTemp/ Soil Temp             | Weather Conditions | Time of Hatchling Release | # of Hatchlings Released | Status of Hatchlings | Weather Conditions and Type of Tide (incoming or outgoing) |
|-----------------------|----------------------------|-----------------|--------------------------------|--------------------|---------------------------|--------------------------|----------------------|--|
| 10/3                  | 2330 hrs                   | 152             | 18.8 °C                        | PARTLY CLOUDY      | 0030 hrs                  | 152                      | EXCELLENT            | LOW TIDE, LOW SURF   |
| 10/4                  | 1030 hrs                   | 1               | ?                              | ?                  | 1040 hrs                  | 1                        | ?                    | NEAR FULL MOON, B.R. BHT.                                  |
| 10/9                  | 1200 N.                    | 2               | ?                              | CLOUDY & WINDY     | 1210 hrs                  | 2                        | ?                    | ?  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
|                       |                            |                 |                                |                    |                           |                          |                      |  |
| Total # of Hatchlings |                            | 155             | Total # of Hatchlings Released |                    | 155                       |                          |                      |  |

155 + 6 dead hatchlings + 3 dead eggs = 164 eggs accounted for =

# **APPENDIX 2**

## **SEA TURTLE STRANDING REPORTS**

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Lamar B. Gare Stranding Date 98-12-16  
year month day

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State Virginia County Virginia Beach

Location (be specific and include closest town) Sandbridge

10 miles south of Back Bay NWR entrance gate on the beach

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Left eye appeared swollen out of the skull. Not easy to tell if it was due to decomposition or not.

## MEASUREMENTS: CIRCLE UNITS

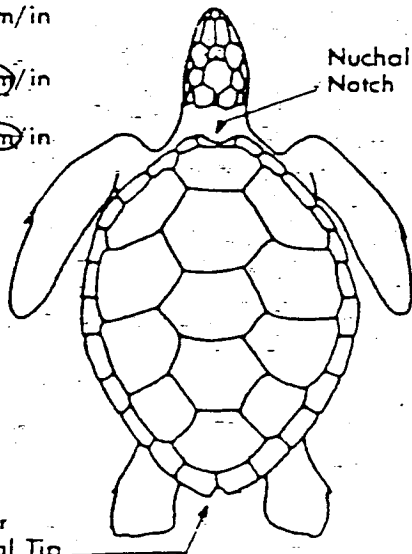
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 65 cm/in

Curved Width 63 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach
- 6 = Alive, released
- 7 = Alive, taken to a holding facility

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Lamar Gore Stranding Date 98 - 12 - 14  
year month day

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species Logger head Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State Virginia County Virginia Beach

Location (be specific and include closest town) Sandbridge In Back Bay NWR about 3/4 mile North of Refuge Beach Ramp

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 3 Final Disposition of Turtle (use codes) 2

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

## MEASUREMENTS: CIRCLE UNITS

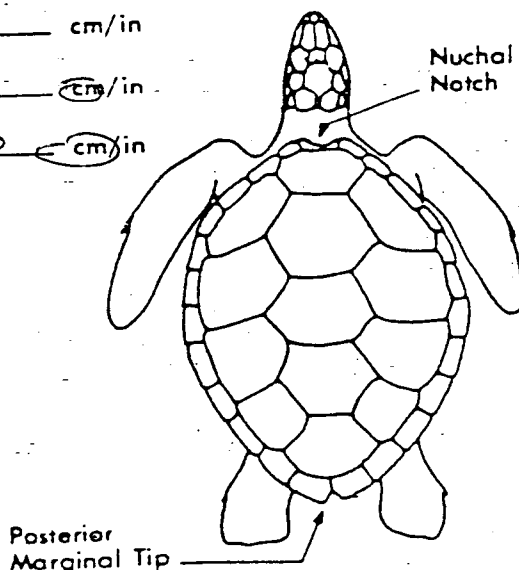
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 57.0 cm/in

Curved Width 56.0 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all / part  
 4 = Pulled up on beach or dune  
 5 = Unpainted, left on beach  
 6 = Alive, released  
 7 = Alive, taken to a holding facility

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name LARS JOHNSON Stranding Date 98-11-14  
year month day

Address / Affiliation Back Bay National Wildlife Refuge  
Plum Tree Island National Wildlife Refuge

Area Code / Phone Number 4005 Sandpiper Road  
Virginia Beach, VA 23456 757-721-2412

Species CM Green Turtle Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach City Photos \_\_\_\_\_

Location (be specific and include closest town) Sandbridge 2 miles West of Back Bay  
National Wildlife Refuge Border

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 3 All

Tag Number(s) (include tag return address and disposition of tag) None visible

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

No obvious signs of injury. Slightly bloated, carapace cracking  
scales beginning to flake off

## MEASUREMENTS: CIRCLE UNITS

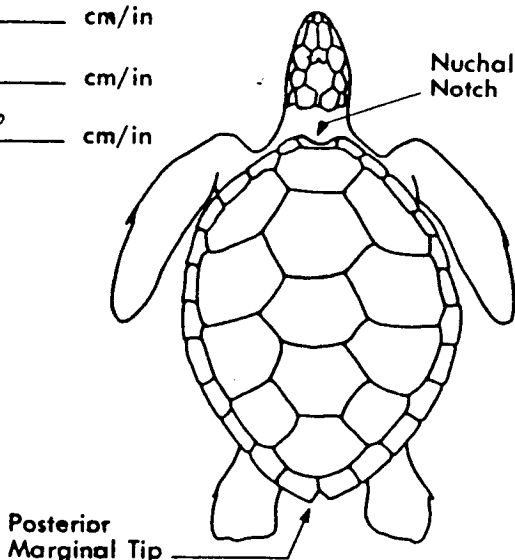
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 33.6 cm/in

Curved Width 29.6 cm/in

Mark wounds,  
abnormalities,  
and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all / part  
 4 = Pulled up on beach or dune  
 5 = Unpainted, left on beach  
 6 = Alive, released

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name LARS JOHANSSON Stranding Date 98-11-14  
year month day

Address / Affiliation Back Bay National Wildlife Refuge  
Plum Tree Island National Wildlife Refuge

Area Code / Phone Number 4005 Sandpiper Road 757-721-2412  
Virginia Beach, VA 23456

Species CC Loggerhead Turtle Number By Day 2

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☐

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State Virginia County Virginia Beach City Photos \_\_\_\_\_

Location (be specific and include closest town) 1 mile south of Back Bay National Wildlife Refugees Southern Border

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 1 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) None visible

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

No signs of injury, fresh No signs of Decay or Bloating

## MEASUREMENTS: CIRCLE UNITS

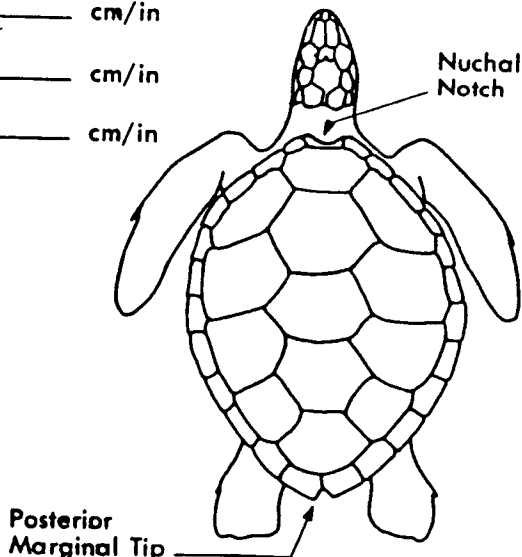
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 64.5 cm/in

Curved Width 61.0 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all / part  
 4 = Pulled up on beach or dune  
 5 = Unpainted, left on beach  
 6 = Alive, released



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name LARS JOHNSON Stranding Date 11 - 4 - 98  
year month day

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 2346

Area Code / Phone Number (757) 721-2412

Species CC Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Positive Unsure Probable Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Undetermined Female Male How was sex determined? \_\_\_\_\_

State Virginia County City of Virginia Beach

Location (be specific and include closest town) 1 mile North of Back Bay NWR on Sandbridge Beach

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) N/A.

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propeller damage, papillomas, epizoa, etc.) continue on back if necessary

Head completely missing, small notch from a sharp object on it's upper left carapace. Possible propeller strike shearing. Neck and part of shell mentioned.

## MEASUREMENTS: CIRCLE UNITS

Straight Length \_\_\_\_\_ cm/in

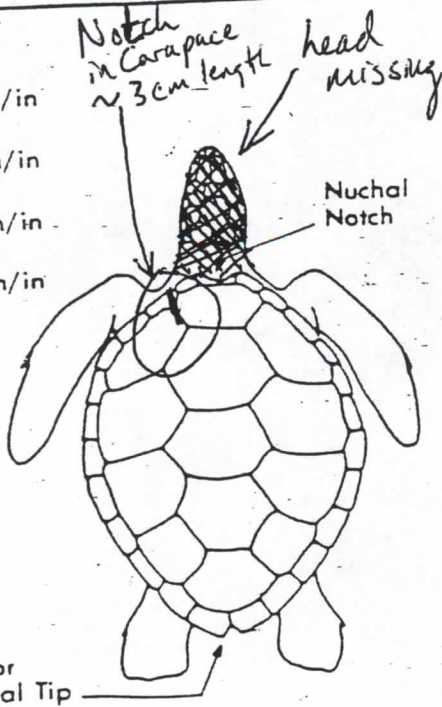
Straight Width \_\_\_\_\_ cm/in

Curved Length 60.1 cm/in

Curved Width 39.5 cm/in

\*Measurements accurate  
I.D. Positive

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all  
 4 = Pulled up on beach or off beach  
 5 = Unpainted, left on beach  
 6 = Alive, released  
 7 = Alive, taken to a holding



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. **CIRCLE THE UNITS USED.** See diagram below. Please give a specific location description. **INCLUDE LATITUDE AND LONGITUDE.**

Observer's Full Name Lamar B. Gore, John Gallegos Stranding Date 98-10-2  
year month day

Address / Affiliation Back Bay National Wildlife Refuge  
Plum Tree Island National Wildlife Refuge

Area Code / Phone Number 4005 Sandpiper Road 757-721-2412  
Virginia Beach, VA 23456

Species Loggerhead Turtle Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined?

State Virginia County Virginia Beach Photos NONE

Location (be specific and include closest town) 2.5 miles south of Refuge Beach ramp  
and 4 miles south of Town of Sandbridge, VA

Latitude  Longitude

Condition of Turtle (use codes) 3 Final Disposition of Turtle (use codes) 2 (off beach)

Tag Number(s) (include tag return address and disposition of tag) NA

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

longitudinal fracture along carapace, but could be due to decomposition

## MEASUREMENTS: CIRCLE UNITS

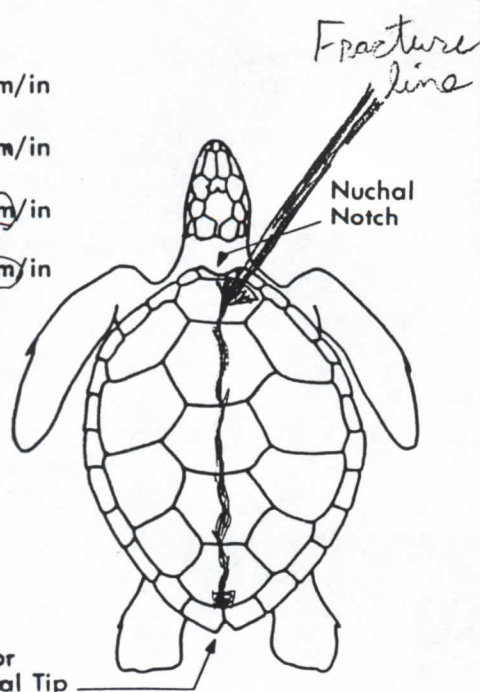
Straight Length  cm/in

Straight Width  cm/in

Curved Length 66 cm/in

Curved Width 60 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach
- 6 = Alive, released

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name LARS JOHNSON Stranding Date 9 - 20 - 98  
year month day

Address / Affiliation Back Bay National Wildlife Refuge  
Plum Tree Island National Wildlife Refuge  
4005 Sandpiper Road  
Virginia Beach, VA 23456 757-5

Area Code / Phone Number 757-5  
 Species CC Loggerhead Turtle Number By Day File

Reliability of I.D.: (CIRCLE) Positive Unsure Probable Species Verified by LSP

Sex: (CIRCLE) Female Male Undetermined How was sex determined?

State VA County Virginia Beach City Photos -

Location (be specific and include closest town) 30 meters North or Northern border  
of Back Bay NWR on Little Island City Park Beach

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1,3

Tag Number(s) (include tag return address and disposition of tag) None

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

No noticeable sign of injury. Shell slightly bleached

## MEASUREMENTS: CIRCLE UNITS

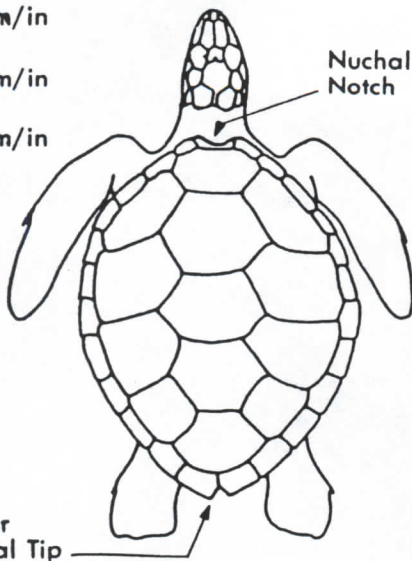
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 100.0 \* cm/in

Curved Width 98.0 \* cm/in

\* These measurements are accurate as taken. They may be slightly off Mark wounds, Worm due to abnormalities, and tag locations bleeding.



## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

① = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all part left  
 4 = Pulled up on beach or dune  
 5 = Unpainted, left on beach  
 6 = Alive, released



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name LARS JOHNSON Stranding Date 98 - 08 - 20  
year month day

Address / Affiliation Back Bay National Wildlife Refuge  
Plum Tree Island National Wildlife Refuge

Area Code / Phone Number 4005 Sandpiper Road  
Virginia Beach, VA 23456 757-721-2412

Species CC Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach City Photos \_\_\_\_\_

Location (be specific and include closest town) Back Bay National Wildlife Refuge  
1 mile south of Back Bay Beach Ramp

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1, 3 left flipper removed for NHTS lab work

Tag Number(s) (include tag return address and disposition of tag) None

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Right side of carapace is pushed away due to probable propeller cut down middle of vertebrals. Cut is 30 cm in length w/ 6 jagged "teeth" at 3, 4, 5, 6, 6, 3 cm lengths respectively. The insides have bled & caused

## MEASUREMENTS: CIRCLE UNITS

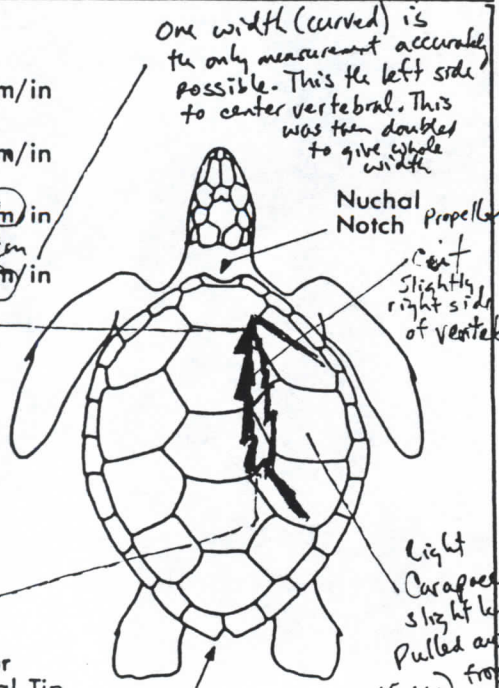
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 71.5 cm/in

Curved Width 32.0 x 2 ≈ 64.0 cm/in

Jagged propeller marks  
height of cut any 1 cm  
Mark wounds, abnormalities, and tag locations  
30 cm total length (straight) (curved)  
notch  
back



## SPECIES:

CC = Loggerhead  
CM = Green  
DC = Leatherback  
EI = Hawksbill  
LK = Kemp's ridley  
UN = Unidentified

## CONDITION OF TURTLE:

0 = Alive  
1 = Fresh dead  
2 = Moderately decomposed  
3 = Severely decomposed  
4 = Dried carcass  
5 = Skeleton, bones only

## FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
2 = Buried: on beach / off beach  
3 = Salvaged specimen: all / (part) left fly  
4 = Pulled up on beach or dune  
5 = Unpainted, left on beach  
6 = Alive, released

CODES: the shell to be pushed away at diagram.



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name LARS JOHANSON Stranding Date 8-20-98

Address / Affiliation Back Bay National Wildlife Refuge  
Plum Tree Island National Wildlife Refuge  
4005 Sandpiper Road  
Virginia Beach, VA 23456

Area Code / Phone Number 757-721-2412

Species CC Loggerhead Turtle Number By Day 2

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? Length of tail, possible

State VA Beach County VA Beach City Photos —

Location (be specific and include closest town) Back Bay National Wildlife Refuge

2 miles South from BB beach ramp

Latitude Probably less than 24 hours Longitude left flipper removed for NMPs lab work

Condition of Turtle (use codes) 1, 2 Final Disposition of Turtle (use codes) 1, 3 (Paint may not hold due to surf)

Tag Number(s) (include tag return address and disposition of tag) NONE

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Right side of carapace pushed away from back due to probable propeller cut down middle of vertebrals. Cut is ~ 55.5 cm in length w/ 5 jagged "teeth" at  
10, 9, 8, 7, + 5 cm<sup>lengths</sup> respectively. The insides have bled and caused the shell to be pushed away

**MEASUREMENTS: CIRCLE UNITS**

Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in (accurate)

Curved Length 115.0 cm/in

Curved Width 50.0 x 2 cm/in

~ 100 cm

[one side unable to be measured]

Mark wounds, abnormalities, and tag locations

55.5 cm length of cut

(5 points) Jagged slice down exact middle vertebrals

Posterior Marginal Tip

**SPECIES:**

CC = Loggerhead  
CM = Green  
DC = Leatherback  
EI = Hawksbill  
LK = Kemp's ridley  
UN = Unidentified

**CONDITION OF TURTLE:**

0 = Alive  
1 = Fresh dead  
2 = Moderately decomposed  
3 = Severely decomposed  
4 = Dried carcass  
5 = Skeleton, bones only

**FINAL DISPOSITION OF TURTLE:**

1 = Painted, left on beach  
2 = Buried: on beach / off beach  
3 = Salvaged specimen: all / (part)  
4 = Pulled up on beach or dune  
5 = Unpainted, left on beach  
6 = Alive, released

**CODES:**

head 8.5 cm curv.  
circum. 26 straight  
Front 20 cm from shell  
35 cm end of carapage  
(@ skin to tip)



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Christopher Wicker Stranding Date 008 - 18 - 17  
year month day

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species CC Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County VA Beach

Location (be specific and include closest town) In beach left of public entrance at Fort Story, next to large, broken drainage pipe.

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 4 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) None

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Carapace and plastron are not present, but head, right flipper, bones (dorsal), and interior organs are present. Left flipper and hind flippers could not be found. Lower mandible - disarticulated. Head - biological decomposition.

## MEASUREMENTS: CIRCLE UNITS

Straight Length \_\_\_\_\_ cm/in

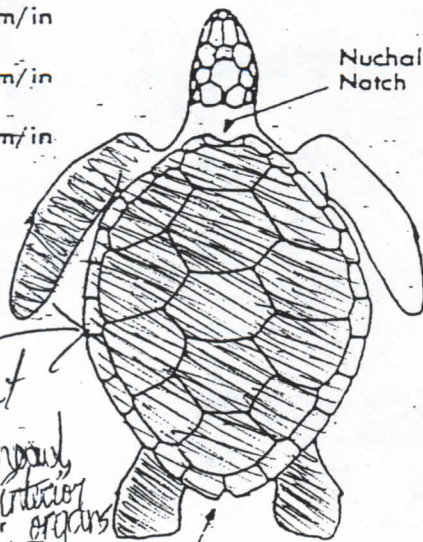
Straight Width \_\_\_\_\_ cm/in

Curved Length N/A cm/in

Curved Width N/A cm/in

Mark wounds, abnormalities, and tag locations

Shells - not present except for head, right flipper + interior organs



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach
- 6 = Alive, released



# SE TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name JOHN I. GALVEZ Stranding Date 8-16-98  
year month day

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species LOGGERHEAD Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) ☐ Unsure ☐ Probable ☒ Positive Species Verified by State Coordinator? Yes ☐ No ☐

Sex: (CIRCLE) Female Male ☒ Undetermined How was sex determined? \_\_\_\_\_

State VA County VIRGINIA BEACH

Location (be specific and include closest town) FORT STORY (ABOUT 1 MILES FROM ENTRANCE TO BEACH)

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Propeller Damage to First Plate. RIGHT Flippers completely decompose while left ones intact

**MEASUREMENTS: CIRCLE UNITS**

Straight Length 109 ☒ cm ☐ in

Straight Width 98 ☐ cm ☐ in

Curved Length \_\_\_\_\_ ☐ cm ☐ in

Curved Width \_\_\_\_\_ ☐ cm ☐ in

Mark wounds, abnormalities, and tag locations

Nuchal Notch

Posterior Marginal

**CODES:**

**SPECIES:**

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

**CONDITION OF TURTLE:**

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

**FINAL DISPOSITION OF TURTLE:**

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted; left on beach
- 6 = Alive, released

**FAXED** 8-17-98

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Christopher Wicker Stranding Date 1968 - 07 - 13  
year month day

Address / Affiliation Back Bay National Wildlife Refuge  
Plum Tree Island National Wildlife Refuge

Area Code / Phone Number 4005 Sandpiper Road  
Virginia Beach, VA 23456 757-721-2412

Species CC Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County VIA Beach Photos \_\_\_\_\_

Location (be specific and include closest town) near Located on Little Island City Beach,  
about 15 paces from the left side of pier

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) \_\_\_\_\_ Final Disposition of Turtle \_\_\_\_\_

Tag Number(s) (include tag return address and disposition of tag) None

should go in  
file  
check

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or ... or damage, papillomas, epizoa, etc.) continue on back if necessary

It is deprived of its posterior carapace and plastron, and its detached  
hind legs are present. (They are attached partially to the inside). All  
scutes are lost. Posterior tip of carapace is seen as bone. Cut left front  
flipper.

## MEASUREMENTS: CIRCLE UNITS

Straight Length \_\_\_\_\_ cm/in

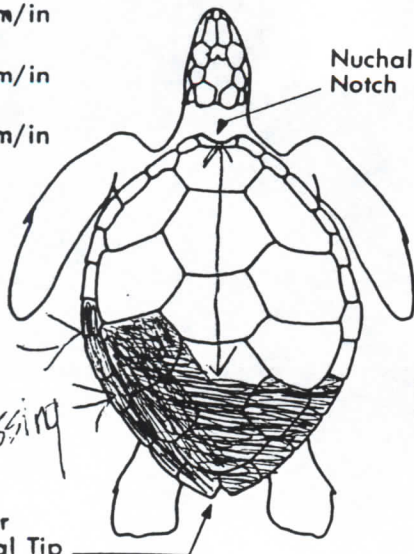
Straight Width \_\_\_\_\_ cm/in

Curved Length 41.3 ~ cm/in

Curved Width 56.5 cm/in

Mark wounds, abnormalities, and tag locations

probably done by propellor  
missing



## SPECIES:

CC = Loggerhead  
CM = Green  
DC = Leatherback  
EI = Hawksbill  
LK = Kemp's ridley  
UN = Unidentified

## CONDITION OF TURTLE:

0 = Alive  
1 = Fresh dead  
2 = Moderately decomposed  
3 = Severely decomposed  
4 = Dried carcass  
5 = Skeleton, bones only

## FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
2 = Buried: on beach / off beach  
3 = Salvaged specimen: all / part  
4 = Pulled up on beach or dune  
5 = Unpainted, left on beach  
6 = Alive, released



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

EASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (zipper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most anterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please provide a specific location description. INCLUDE LATITUDE AND LONGITUDE.

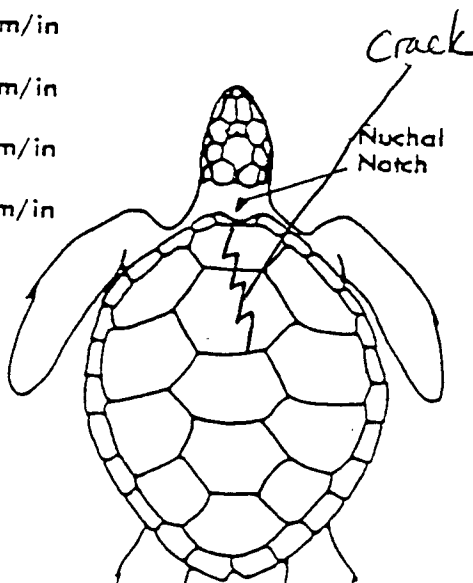
Stranding Date 8-7-98  
 Observer's Full Name Chris Wicker  
 Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA Beach, VA 23456  
 Phone Code / Phone Number (757) 721-2412  
 Species CC Loggerhead Turtle Number By Day 1  
 Condition of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☐  
 Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_  
 Location VA Beach County Virginia Beach City  
 Location (be specific and include closest town) B/N 60<sup>th</sup> + 61<sup>st</sup> St at Ocean Front  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 5  
 Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propeller damage, parasites, epizoa, etc.) continue on back if necessary

Could not examine specimen due to High tides grip on the remains.  
I was unable to pull it upon the shore to perform any measurements.  
Specimen was bloated + seemed to have a crack in the front ~~snout~~ of the carapace

## MEASUREMENTS: CIRCLE UNITS

Right Length \_\_\_\_\_ cm/in  
 Right Width \_\_\_\_\_ cm/in  
 Head Length \_\_\_\_\_ cm/in  
 Head Width \_\_\_\_\_ cm/in



Wounds,  
 Abnormalities,  
 Tag locations

## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all / part  
 4 = Pulled up on beach or dune



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. Williams Stranding Date 98-08-07  
year month day

Address / Affiliation Back Bay National Wildlife Refuge  
Plum Tree Island National Wildlife Refuge

Area Code / Phone Number 4005 Sandpiper Road 757-721-2412  
Virginia Beach, VA 23456

Species CC Turtle Number By Day 01

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach Photos \_\_\_\_\_

Location (be specific and include closest town) 1 tenth of a mile North of

False Cape Landing @ False Cape State Park

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) S Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

No flesh or scutes present, just bones  
of top shell measured from tip to tip  
for the length, and end of bone to end of bone

## MEASUREMENTS: CIRCLE UNITS

Straight Length \_\_\_\_\_ cm/in

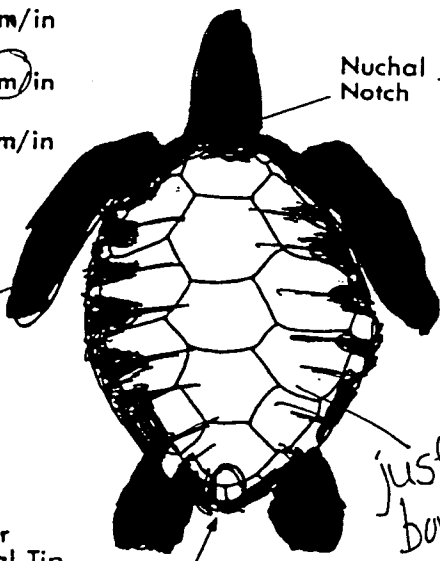
Straight Width \_\_\_\_\_ cm/in

Curved Length 72 cm/in

Curved Width 64 cm/in

Mark wounds, abnormalities, and tag locations

missing



Posterior Marginal Tin

CODES: at widest width.

## SPECIES:

CC = Loggerhead  
CM = Green  
DC = Leatherback  
EI = Hawksbill  
LK = Kemp's ridley  
UN = Unidentified

## CONDITION OF TURTLE:

0 = Alive  
1 = Fresh dead  
2 = Moderately decomposed  
3 = Severely decomposed  
4 = Dried carcass  
5 = Skeleton, bones only

## FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
2 = Buried: on beach / off beach  
3 = Salvaged specimen: all / part  
4 = Pulled up on beach or dune  
5 = Unpainted, left on beach  
6 = Alive, released

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara + Williams Stranding Date 98 - 08 04  
year month day

Address / Affiliation Back Bay National Wildlife Refuge  
Plum Tree Island National Wildlife Refuge

Area Code / Phone Number 4005 Sandpiper Road  
Virginia Beach, VA 23456 757-721-2412

Species CC Turtle Number By Day 01

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State \_\_\_\_\_ County \_\_\_\_\_ Photos \_\_\_\_\_

Location (be specific and include closest town) 25 mile North of False Cape  
State Park's Wash Woods beach entrance

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 3 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

All 4 appendages missing, exposed bones  
in head and spinal column visible in neck;  
flesh badly decomposed. A few barnacles on shell.

## MEASUREMENTS: CIRCLE UNITS

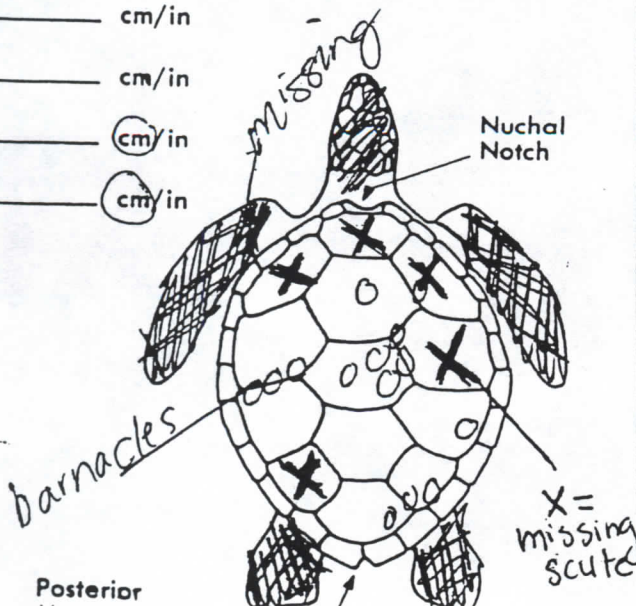
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 76 cm/in

Curved Width 72 cm/in

Mark wounds,  
abnormalities,  
and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
CM = Green  
DC = Leatherback  
EI = Hawksbill  
LK = Kemp's ridley  
UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
1 = Fresh dead  
2 = Moderately decomposed  
3 = Severely decomposed  
4 = Dried carcass  
5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
2 = Buried: on beach / off beach  
3 = Salvaged specimen: all / part  
4 = Pulled up on beach or dune  
5 = Unpainted, left on beach



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara Williams & Chris Wicker Stranding Date 98-07-10  
year month day

Address / Affiliation Back Bay National Wildlife Refuge  
Plum Tree Island National Wildlife Refuge

Area Code / Phone Number 4005 Sandpiper Road  
Virginia Beach, VA 23456 757-721-2412

Species CC Turtle Number By Day 02

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach Photos \_\_\_\_\_

Location (be specific and include closest town) 0.1 mi north of ~~False~~ False Cape State  
Park border, located on BACK BAY Nat'l Wildlife Refuge Beach.

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1 ~~Stranded~~

Tag Number(s) (include tag return address and disposition of tag) None

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Severely bloated, circular puncture is found on the right side just below  
carapace of extended width, the same applies to another puncture on the its  
left side, and other <sup>small</sup> <sup>are</sup> punctures found in the center of its plastron.

## MEASUREMENTS: CIRCLE UNITS

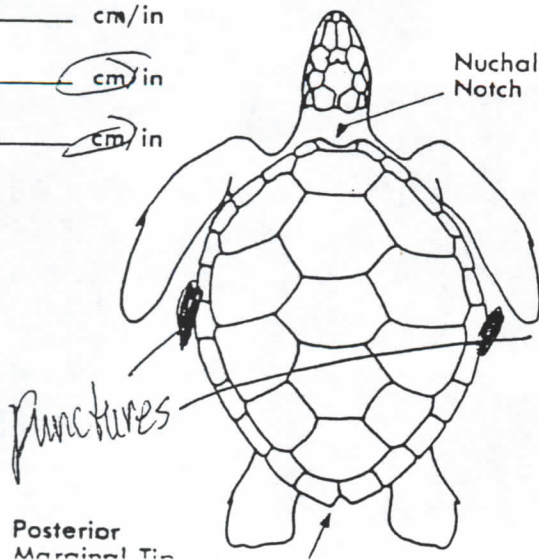
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 75 cm/in

Curved Width 74.7 cm/in

Mark wounds,  
abnormalities,  
and tag locations



## SPECIES:

CC = Loggerhead  
CM = Green  
DC = Leatherback  
EI = Hawksbill  
LK = Kemp's ridley  
UN = Unidentified

## CONDITION OF TURTLE:

0 = Alive  
1 = Fresh dead  
2 = Moderately decomposed  
3 = Severely decomposed  
4 = Dried carcass  
5 = Skeleton, bones only

## FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
2 = Buried: on beach / off beach  
3 = Salvaged specimen: all / part  
4 = Pulled up on beach or dune  
5 = Unpainted, left on beach  
6 = Alive, released

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara Williams & Chris Wicker Stranding Date 98-07-10  
year month day

Address / Affiliation Back Bay National Wildlife Refuge  
Chum Tree Island National Wildlife Refuge  
4005 Sandpiper Road  
Virginia Beach, VA 23456

Area Code / Phone Number 757-721-2412

Species CC Loggerhead Turtle Number By Day 03

Reliability of I.D.: (CIRCLE) Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach Photos \_\_\_\_\_

Location (be specific and include closest town) 1.5 mi south of Wash Woods in False Cape State Park

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 1 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) None

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Not bloated when found. The wounds are three obvious cracks, on posterior and right side of carapace. Scutes of the carapace are not present. Propellor damage may be possible.

## MEASUREMENTS: CIRCLE UNITS

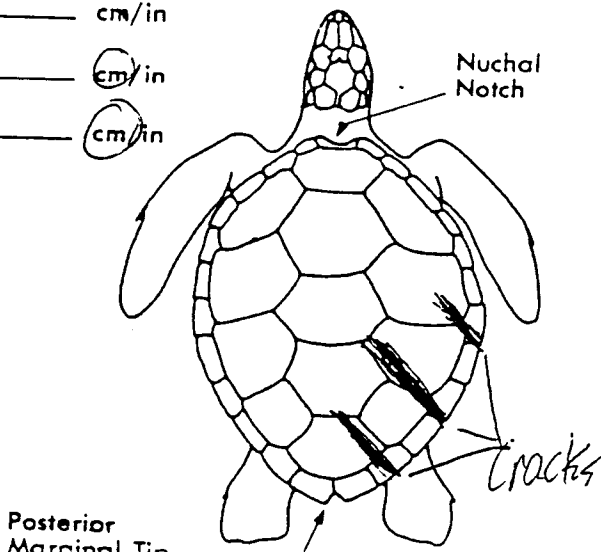
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 61 cm/in

Curved Width 58.5 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach
- 6 = Alive, released

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. Williams Stranding Date 98 - 07 - 10  
year month day

Address / Affiliation Back Bay National Wildlife Refuge  
Plum Tree Island National Wildlife Refuge

Area Code / Phone Number 4005 Sandpiper Road  
Virginia Beach, VA 23456 757-721-2412

Species CC, Loggerhead Turtle Number By Day 01

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County VA Beach Photos \_\_\_\_\_

Location (be specific and include closest town) 0.25 mile south of Dam Neck  
and Sandbridge's border [At the last (most northern)  
public beach access before Dam Neck]

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 3 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, apillomas, epizoa, etc.) continue on back if necessary

Bloated, Flesh on skull missing, flippers  
decomposing - pieces missing

## MEASUREMENTS: CIRCLE UNITS

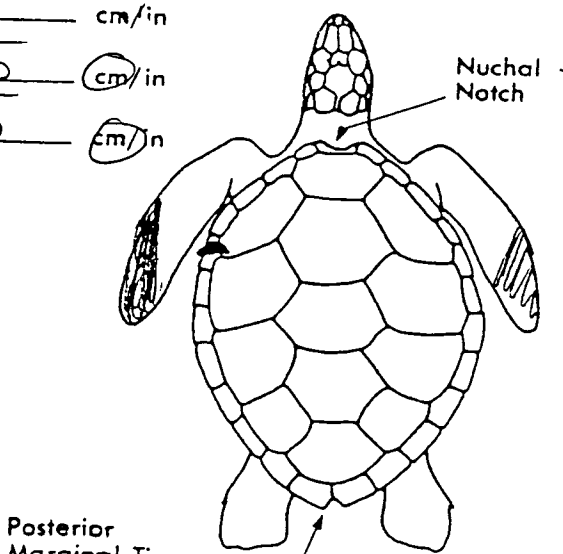
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 58.5 cm/in

Curved Width 59.5 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposer
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach /
- 3 = Salvaged specimen
- 4 = Pulled up on beach
- 5 = Unpainted, left on beach
- 6 = Alive, released



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name LAP E Johnson Stranding Date 7-9-98

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species loggerhead CC Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☐

Sex: (CIRCLE) Female Male Undetermined How was sex determined?

State VA County Virginia Beach City

Location (be specific and include closest town) Oceanfront in swash b/n 21<sup>st</sup> & 22<sup>nd</sup>

Latitude  Longitude

Condition of Turtle (use codes) 1, 3 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) None

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

3 deep slice wound from propeller most likely. Wounds are obvious and go from carapace to plastron. Death seems to have been very recent.

## MEASUREMENTS: CIRCLE UNITS

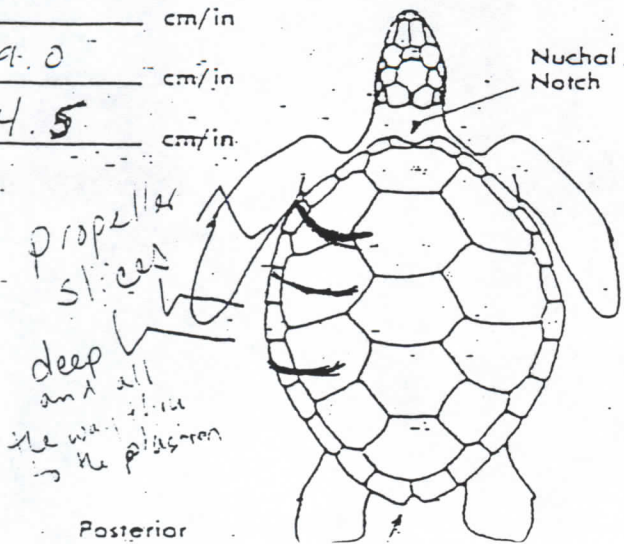
Straight Length  cm/in

Straight Width  cm/in

Curved Length 69.0 cm/in

Curved Width 64.5 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EL = Hawksbill
- LX = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all parts
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach
- 6 = Alive released

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Christopher Wicker Stranding Date 98-07-08  
year month day

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species CC Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County VA Beach

Location (be specific and include closest town) 2.5 miles south of False Cape Landing

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 3 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) None

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Severely bloated, punctures on both sides just anterior of each flipper and lateral to the head (see picture below). Skeleton visible on lateral ends of both anterior flippers and also visible on face. Two lumps present on head.

## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all / part  
 4 = Pulled up on beach or dune  
 5 = Unpainted, left on beach  
 6 = Alive, released  
 7 = Alive, taken to a holding facility

## MEASUREMENTS: CIRCLE UNITS

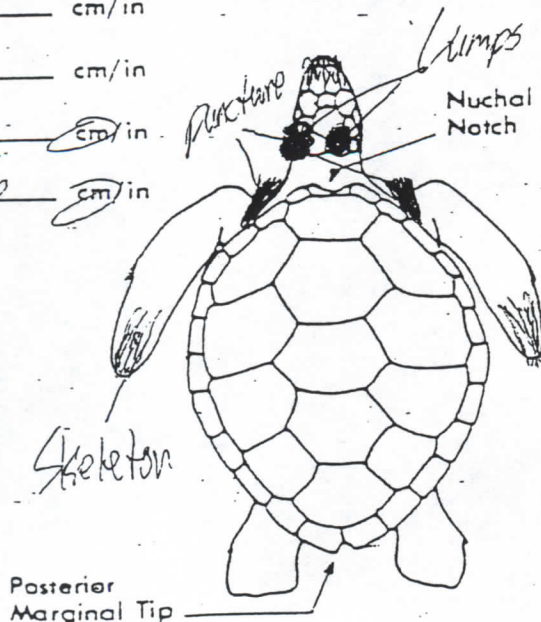
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 76.4 cm/in

Curved Width 72.6 cm/in

Mark wounds, abnormalities, and tag locations





# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name LARS JOHNSON Stranding Date 6 - 24 - 98  
 Address / Affiliation Back Bay NWR, 4005 Sandpiper Rd, VB, VA  
 Area Code / Phone Number 33456 (757) 721-2462  
 Species Loggerhead CC Turtle Number By Day 01  
 Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒  
 Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_  
 State VA County Virginia Beach City Photos \_\_\_\_\_  
 Location (be specific and include closest town) 1 mile North of False Cape State Park's False Cape Landing  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Condition of Turtle (use codes) 5 Final Disposition of Turtle (use codes) 1  
 Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

All that remains to be seen are two pieces of carapace. 3 or 4 meters away lay the skull and various bones on a pile. A middle section of the carapace is missing. measurements will be inconclusive

## MEASUREMENTS: CIRCLE UNITS

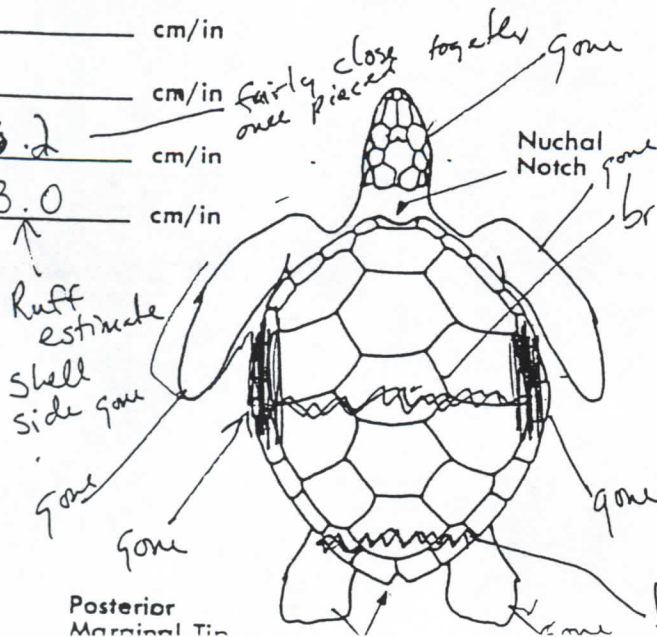
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 56.2 cm/in

Curved Width 53.0 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all / part  
 4 = Pulled up on beach or dune  
 5 = Unpainted, left on beach  
 6 = Alive, released



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

EASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (sliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most anterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please include a specific location description. INCLUDE LATITUDE AND LONGITUDE.

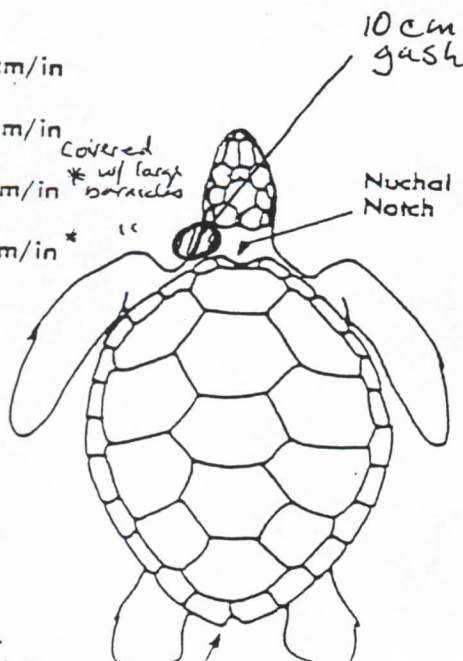
Strander's Full Name LARS JOHNSON Stranding Date 6-22-98  
 Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA Beach, VA 23456  
 Phone Code / Phone Number (757) 721-2412  
 Species CC Loggerhead Turtle Number By Day 1  
 Condition of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒  
 Sex (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_  
 State Virginia County Virginia Beach City Fort Story  
 Location (be specific and include closest town) Fort Story 3/4 miles South from Station  
Commander's Residence  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1  
 Tag Number(s) (include tag return address and disposition of tag) None

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, parasites, epizoa, etc.) continue on back if necessary

10 cm gash on left side of neck just behind jaw. This wound  
may be post mortem, occurring while washing upon shore littered w/ large  
brick + cement remnants from a building that was washed out. Other than

## MEASUREMENTS: CIRCLE UNITS

Snout Length \_\_\_\_\_ cm/in  
 Snout Width \_\_\_\_\_ cm/in  
 Head Length 73.0 cm/in  
 Head Width 68.3 cm/in



wounds,  
 mutilities,  
 tag locations

SPECIES: CODES: that no apparent wounds.

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

## CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

## FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all / part  
 4 = Pulled up on beach or dune  
 5 = Unpainted, left on beach

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Christopher Licker Stranding Date 10/8 10 - 06 - 20  
year month day

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species CC Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County VA Beach

Location (be specific and include closest town) On Fort Story beach, behind USN, SESEF  
about 1 1/2 miles north after entering Fort Story.

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 4 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) No tag

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, epillomas, epizoa, etc.) continue on back if necessary

No obvious wounds or damage. Lots of barnacles on posterior end of  
carapace (see shade below). Skeleton is visible on anterior end of  
carapace (see shade below).

## MEASUREMENTS: CIRCLE UNITS

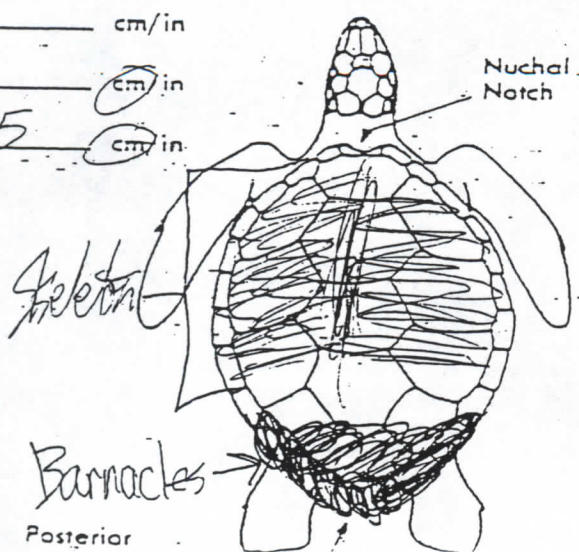
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 62 cm/in

Curved Width 57.5 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T Williams Stranding Date 98 - 06 - 19  
year month day

Address / Affiliation Back Bay NWR

Area Code / Phone Number 721-2412

Species CC Turtle Number By Day 01

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach Photos \_\_\_\_\_

Location (be specific and include closest town) 150 yds south of Porpoise Lane on Sandbridge's beach - right next to bulkhead

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Decomposing, shell has fallen apart in many places, scales are missing on top shell, could have been marked previously (no paint visible) or could have washed off

## MEASUREMENTS: CIRCLE UNITS

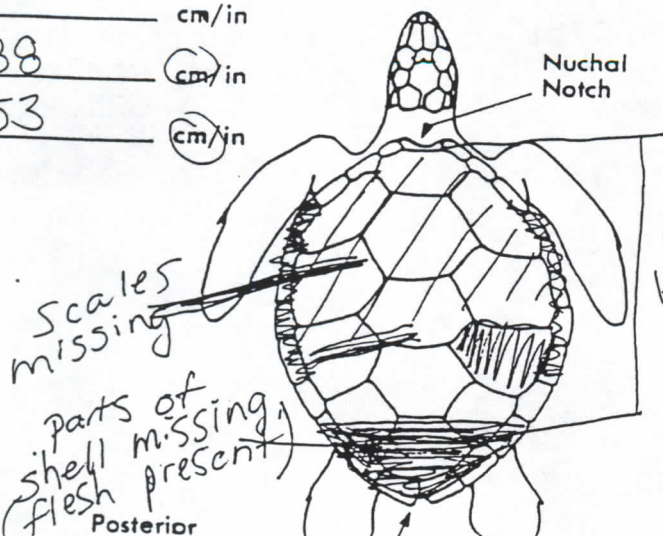
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 38 cm/in

Curved Width 53 cm/in

Mark wounds, abnormalities, and tag locations



## SPECIES:

CC = Loggerhead  
CM = Green  
DC = Leatherback  
EI = Hawksbill  
LK = Kemp's ridley  
UN = Unidentified

## CONDITION OF TURTLE:

0 = Alive  
1 = Fresh dead  
2 = Moderately decomposed  
3 = Severely decomposed  
4 = Dried carcass  
5 = Skeleton, bones only

## FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
2 = Buried: on beach / off beach  
3 = Salvaged specimen: all / part  
4 = Pulled up on beach or dune  
5 = Unpainted, left on beach



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name AKS Johnson Stranding Date 6-15-98  
year month day

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species CC Turtle Number By Day 2

Reliability of I.D.: (CIRCLE) Positive Unsure Probable Species Verified by State Coordinator? - Yes ☐ No ☐

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State Virginia County Virginia Beach City

Location (be specific and include closest town) Virginia Beach Croatan Beach at mouth of Ludin's Inlet, South Side - 20 meters from Rocks bordering inlet

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellar damage, papillomas, epizoa, etc.) continue on back if necessary

Severely Mangled Top of skull missing, skin still intact, shredded over lower jaw

Carapace - broken <sup>in</sup> at approximate <sup>(Ribs & Plates separated)</sup> 1/2 way mark. Insides exposed, ribs

bone protruding out where shell is missing. Belly shows many <sup>large</sup> puncture wounds

## MEASUREMENTS: CIRCLE UNITS

Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 54.5 cm cm/in

Curved Width 51.0 cm cm/in

\_\_\_\_\_ cm/in

\_\_\_\_\_ cm/in

\_\_\_\_\_ cm/in

\_\_\_\_\_ cm/in

\_\_\_\_\_ cm/in

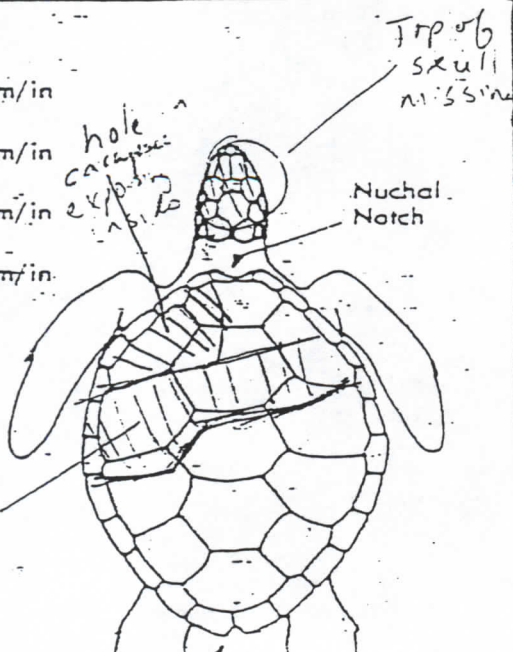
\_\_\_\_\_ cm/in

\_\_\_\_\_ cm/in

\_\_\_\_\_ cm/in

\_\_\_\_\_ cm/in

\_\_\_\_\_ cm/in



## SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

## CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

## FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted; left on beach

turtle flattened  
+ severe internal  
Mark wounds, not a few  
abnormalities, to 5cm  
and tag locations

Cracked  
2 pieces  
inside

## CODES:

conclusions:  
~~mechanical~~  
= damage  
by boat or  
other means  
of machinery  
"CRUSHED"

Not heavy  
seent. of CC

Yet

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name LALS Johnson Stranding Date 6-15-98

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species Ridley's LK Turtle Number By Day 1

Reliability of I.D. (CIRCLE) Positive Unsure Probable Species Verified by State Coordinator? Yes ☐ No ☐

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State Virginia County Virginia Beach City

Location (be specific and include closest town) Beach at Ocean Front  
11th street 50 feet from shore

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 (fairly fresh) Final Disposition of Turtle (use codes) \_\_\_\_\_

Tag Number(s) (include tag, return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar, oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Directly across from dredging operation. Injury shown below  
Scanned for pit tag. None found.

## MEASUREMENTS: CIRCLE UNITS

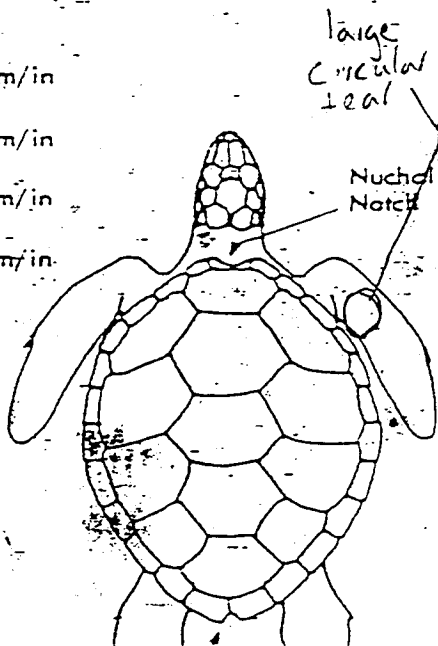
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 27.2 cm/in

Curved Width 27.6 cm cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- HEI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name LARS JOHNSON Stranding Date 6 - 12 - 98  
year month day

Address / Affiliation Back Bay NWR

Area Code / Phone Number 721-2412

Species Loggerhead CC

Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive

Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined

How was sex determined? \_\_\_\_\_

State VA

County Virginia Beach

Photos No

Location (be specific and include closest town) Sandbridge on beach Sandfiddler Rd and Marlin Rd

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1, 4

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

No obvious signs of harm/injury

## MEASUREMENTS: CIRCLE UNITS

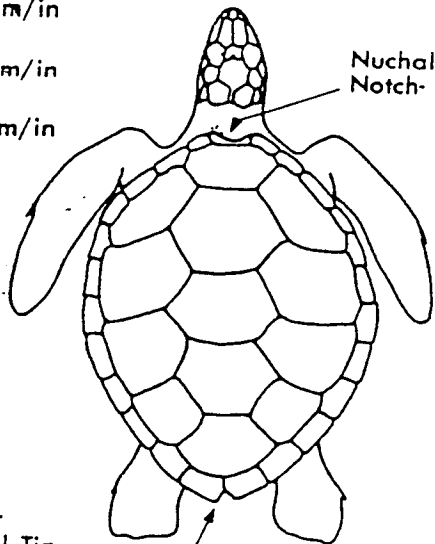
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 62.5 cm/in

Curved Width 60.5 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all / part  
 4 = Pulled up on beach or dune  
 5 = Unpainted, left on beach  
 6 = Alive, released



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. Williams Stranding Date 98 - Dec - 11

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species CC Turtle Number By Day 01

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach

Location (be specific and include closest town) 50 ft. South of Sandbridge Beach's Sea Scape Road

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 1 Final Disposition of Turtle (use codes) \_\_\_\_\_

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

no wounds on flesh, crack on shell

## MEASUREMENTS: CIRCLE UNITS

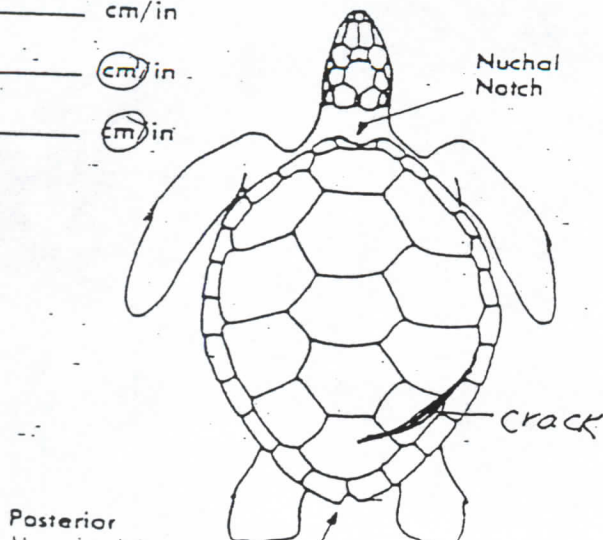
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 68 cm/in

Curved Width 66 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. Williams Stranding Date 98 - 06 - 11  
year month day

Address / Affiliation Back Bay National Wildlife Refuge

Area Code / Phone Number (757) 721-2412

Species CC Turtle Number By Day 01 \*

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☐

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach Photos \_\_\_\_\_

Location (be specific and include closest town) Miles South of Back

Bay NWR's beach entrance ramp

Latitude 36° 38' 34" N Longitude 075° 53' 43" W

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) \_\_\_\_\_

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

No visible wounds, severely bloated, This report and the  
The following two on 6/11/98 (marked w/ \*) all washed up w/in  
an hour of each other and appear to be at the same stage of decomposition.

## MEASUREMENTS: CIRCLE UNITS

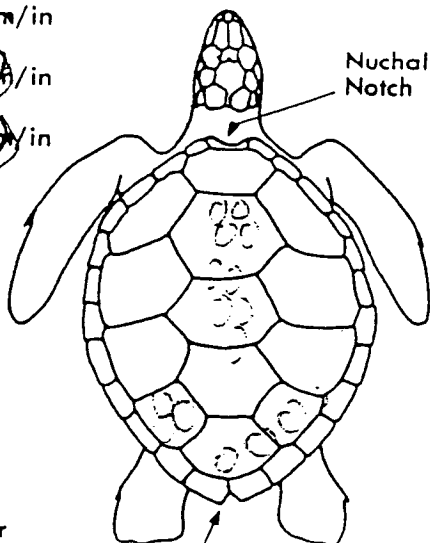
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 108.5 cm/in

Curved Width 99 cm/in

Mark wounds,  
abnormalities,  
and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
CM = Green  
DC = Leatherback  
EI = Hawksbill  
LK = Kemp's ridley  
UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
1 = Fresh dead  
2 = Moderately decomposed  
3 = Severely decomposed  
4 = Dried carcass  
5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
2 = Buried: on beach / off beach  
3 = Salvaged specimen: all / part  
4 = Pulled up on beach or dune  
5 = Unpainted, left on beach  
6 = Alive, released



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. Williams Stranding Date 9<sup>th</sup> - 06 - 11  
 Address / Affiliation Back Bay National Wildlife Refuge  
 Area Code / Phone Number (757) 721-2412  
 Species CC Turtle Number By Day 02 \*  
 Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒  
 Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_  
 State Virginia County Virginia Beach Photos \_\_\_\_\_  
 Location (be specific and include closest town) 2.3 miles North of FCSF's Wash Woods Beach entrance  
 Latitude 36° 37' 06N Longitude 075° 53' 06 W  
 Condition of Turtle (use codes) \_\_\_\_\_ Final Disposition of Turtle (use codes) \_\_\_\_\_  
 Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

No obvious wounds, severely bloated, A few cracks on shell probably due bloating

## MEASUREMENTS: CIRCLE UNITS

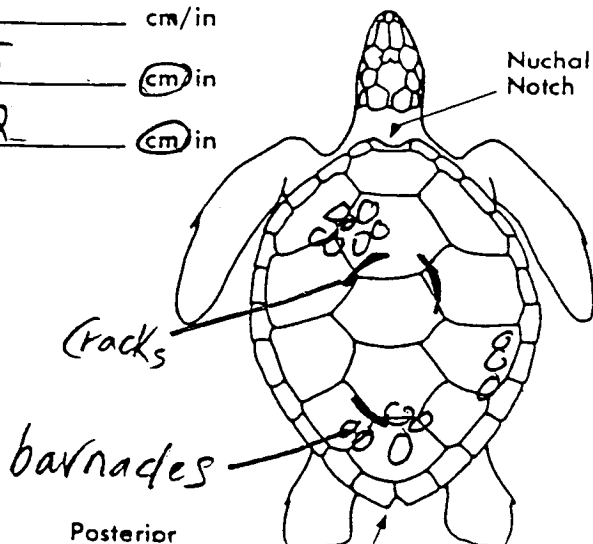
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 75 cm/in

Curved Width 72 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all / part  
 4 = Pulled up on beach or dune  
 5 = Unpainted, left on beach

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. Williams Stranding Date 98 - 06 - 11  
year month day

Address / Affiliation Back Bay National Wildlife Refuge

Area Code / Phone Number (757) 721-2412

Species CC Turtle Number By Day 0.3 \*

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach Photos \_\_\_\_\_

Location (be specific and include closest town) at False Cape State Parks

Wash Woods beach entrance

Latitude 36° 35' 02 N Longitude 075° 52' 30 W

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Bloated, cracks probably due to bloating  
No visible wounds or marks

## MEASUREMENTS: CIRCLE UNITS

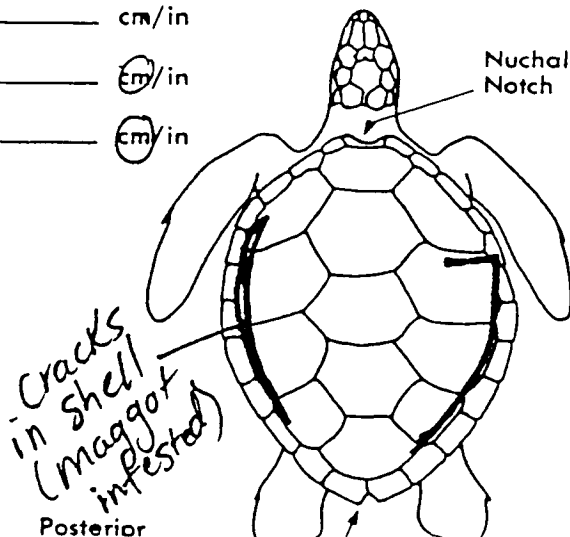
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 64 cm/in

Curved Width 63 cm/in

Mark wounds,  
abnormalities,  
and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
CM = Green  
DC = Leatherback  
EI = Hawksbill  
LK = Kemp's ridley  
UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
1 = Fresh dead  
2 = Moderately decomposed  
3 = Severely decomposed  
4 = Dried carcass  
5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
2 = Buried: on beach / off beach  
3 = Salvaged specimen: all / part  
4 = Pulled up on beach or dune  
5 = Unpainted, left on beach

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T Williams Stranding Date 98 - 06 - 10  
year month day

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species CC Turtle Number By Day 03

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach

Location (be specific and include closest town) at False Cape state Park's

False Cape landing beach

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 3 Final Disposition of Turtle (use codes) 5

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement; wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

No shell or structure left; flesh  
surrounding detached bones

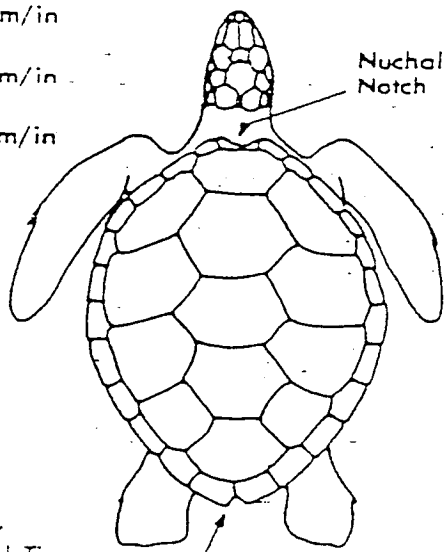
## MEASUREMENTS: CIRCLE UNITS

Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length \_\_\_\_\_ cm/in

Curved Width \_\_\_\_\_ cm/in



Posterior  
Marginal

## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
 1 = Fresh dead  
 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all / part  
 4 = Pulled up on beach or dune  
 5 = Unpainted, left on beach  
 6 = Alive, released

Mark wounds,  
 abnormalities,  
 and tag locations

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. Williams Stranding Date 98 - 06 - 10  
year month day

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species CC Turtle Number By Day 02

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach

Location (be specific and include closest town) 1/2 mile North of North Carolina  
and False Cape State Park border

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 1 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

a few barnacles on shell

## MEASUREMENTS: CIRCLE UNITS

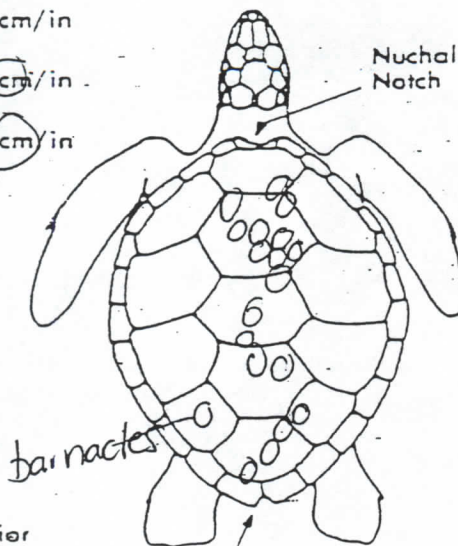
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 58 cm/in

Curved Width 55 cm/in

Mark wounds,  
abnormalities,  
and tag locations



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach
- 6 = Alive, released

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. Williams Stranding Date 98-06-10

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species CC Turtle Number By Day 01

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach

Location (be specific and include closest town) 25 ft. South of Dam Neck Naval Base and Sandbridge border

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1 - washed back into water

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Severely bloated, shell fallen off in several places

## MEASUREMENTS: CIRCLE UNITS

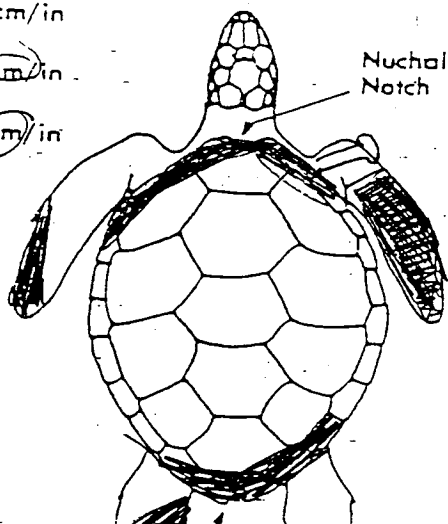
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 84 cm/in

Curved Width 79 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
CM = Green  
DC = Leatherback  
EI = Hawksbill  
LK = Kemp's ridley  
UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
1 = Fresh dead  
2 = Moderately decomposed  
3 = Severely decomposed  
4 = Dried carcass  
5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

1 = Painted, left on beach  
2 = Buried: on beach / off beach  
3 = Salvaged specimen: all / part  
4 = Pulled up on beach or dune  
5 = Unpainted left on beach

MISSING

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Christopher Wicker Stranding Date 1007 - 06 - 10

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species CC Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County VA Beach

Location (be specific and include closest town) Resort beach parallel to Atlantic Avenue  
in city of VA Beach and perpendicular of ~~29th~~ Street

Latitude \_\_\_\_\_ Longitude 29th

Condition of Turtle (use codes) 1 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) No tag present

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellar damage, sapillomas, epizoa, etc.) continue on back if necessary

This turtle seems somewhat bloated, which is probably why two cracks occurred on anterior left and posterior right of carapace.

## MEASUREMENTS: CIRCLE UNITS

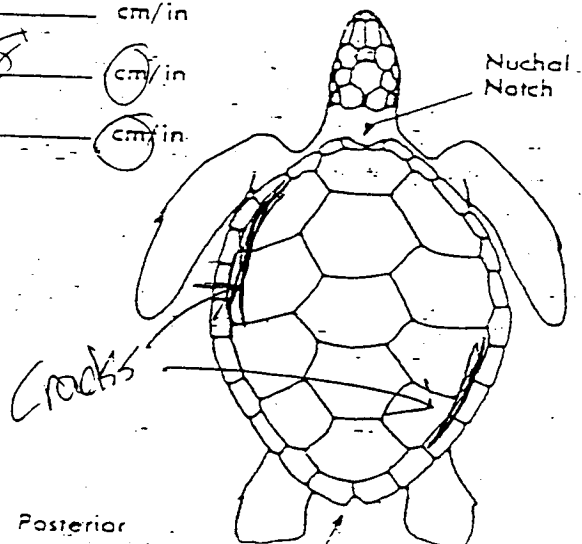
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 55.8 cm/in

Curved Width 55 cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EL = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Sara T. Williams Stranding Date 98 - 06 - 08  
 Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species CC Turtle Number By Day 01

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County Virginia Beach

Location (be specific and include closest town) 1/2 mile North of City of Virginia Beach and Fort Story border. - turtle found on dunes

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 2 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) \_\_\_\_\_

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

-many inframarginal acutes missing, barnacles and algae completely covered shell

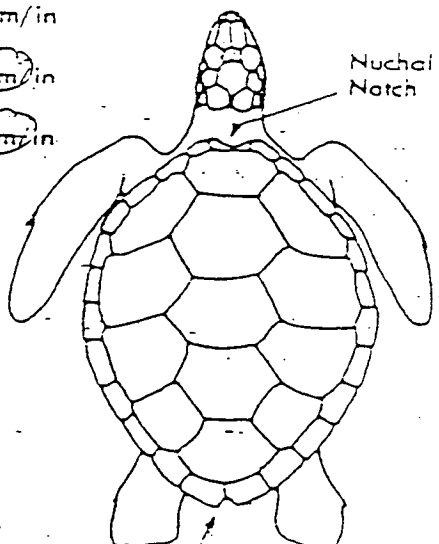
## MEASUREMENTS: CIRCLE UNITS

Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 60 cm/in

Curved Width 56 cm/in



Mark wounds, abnormalities, and tag locations

## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach



SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Christopher Wicker Stranding Date May - 16 - 97

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd, VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined?

State VA County VA Beach

Location (be specific and include closest town) It is located 1/2 mile north of Fiske Cove State Park on Park Bay N.W. tidal shore.

Latitude  Longitude

Condition of Turtle (use codes) 1 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) No tag

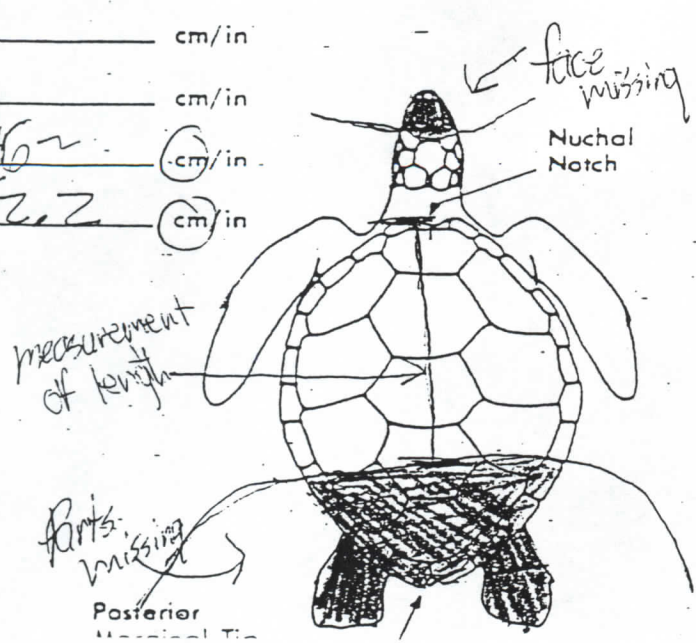
Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, epillomas, epizoa, etc.) continue on back if necessary

Its posterior end, including hind legs and carapace, is missing. Its head is present, but face is missing. Believe the damage is caused by propellor.

MEASUREMENTS: CIRCLE UNITS

Straight Length  cm/in  
Straight Width  cm/in  
Curved Length 46.2 cm/in  
Curved Width 62.2 cm/in

Mark wounds, abnormalities, and tag locations



CODES:

- SPECIES:
- CC = Loggerhead
  - CM = Green
  - DC = Leatherback
  - EI = Hawksbill
  - LK = Kemp's ridley
  - UN = Unidentified

CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach
- 6 = Alive, released



# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please include a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Christopher Wicker Stranding Date 1998 - June - 2

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species A Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☒

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County VA Beach

Location (be specific and include closest town) on Oceanfront, right next to pier (on 17th St.)

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 1 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) No tag

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propeller damage, papillomas, epizoa, etc.) continue on back if necessary

Outer, hard shell of carapace have are not present. A puncture ~~has~~ is present on the right side, just under the carapace. It is probably caused by propeller.

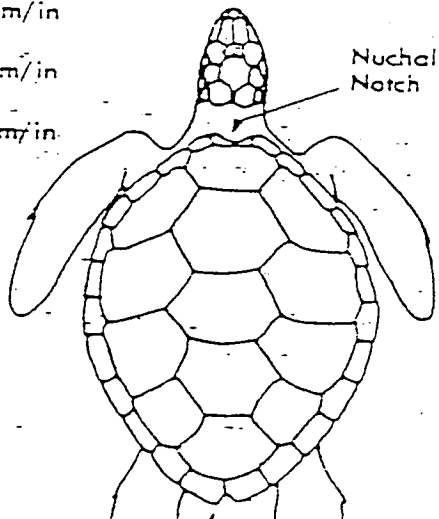
## MEASUREMENTS: CIRCLE UNITS

Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 68.7 cm/in

Curved Width 68.2 cm/in



## CODES:

### SPECIES:

- CC = Loggerhead
- CM = Green
- DC = Leatherback
- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

- 0 = Alive
- 1 = Fresh dead
- 2 = Moderately decomposed
- 3 = Severely decomposed
- 4 = Dried carcass
- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

- 1 = Painted, left on beach
- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach

Mark wounds, abnormalities, & tag locations

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Christopher L. Harker / Lawrence Johnson Stranding Date Dec - Mar - 21  
 Address / Affiliation Pack Bay National Wildlife Refuge, 405 Sandpiper Rd., VA Beach, VA, 23456  
 Area Code / Phone Number (757) 721-2412  
 Species Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Unsure Probable Positive Species Verified by State Coordinator? Yes ☐ No ☐

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State VA County VA Beach

Location (be specific and include closest town) Less than 1/2 mi. south of Little Island City Park  
beach under

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 1 Final Disposition of Turtle (use codes) 1 and pulled to dunes

Tag Number(s) (include tag return address and disposition of tag) No tag

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary

Not obvious, but possible propellor damage in (anterior) front right carapace, small puncture in this region.

## MEASUREMENTS: CIRCLE UNITS

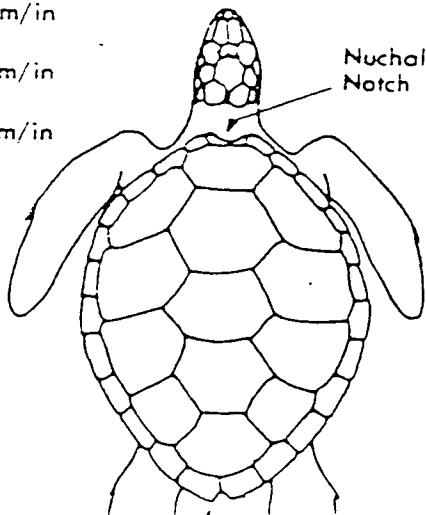
Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length \_\_\_\_\_ cm/in

Curved Width \_\_\_\_\_ cm/in

Mark wounds, abnormalities, and tag locations



## CODES:

### SPECIES:

CC = Loggerhead  
 CM = Green  
 DC = Leatherback  
 EI = Hawksbill  
 LK = Kemp's ridley  
 UN = Unidentified

### CONDITION OF TURTLE:

0 = Alive  
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 2 = Moderately decomposed  
 3 = Severely decomposed  
 4 = Dried carcass  
 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

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 2 = Buried: on beach / off beach  
 3 = Salvaged specimen: all / part  
 4 = Pulled up on beach or dune

# SEA TURTLE STRANDING AND SALVAGE NETWORK - STRANDING REPORT

PLEASE PRINT CLEARLY AND FILL IN ALL APPLICABLE BLANKS. Use codes below. Measurements may be straight line (caliper) and/or over the curve (tape measure). Measure length from the center of the nuchal notch to the tip of the most posterior marginal. Measure width at the widest point of carapace. CIRCLE THE UNITS USED. See diagram below. Please give a specific location description. INCLUDE LATITUDE AND LONGITUDE.

Observer's Full Name Florence James Stranding Date 98-05-18

Address / Affiliation Back Bay National Wildlife Refuge, 4005 Sandpiper Rd., VA. Beach, VA. 23456

Area Code / Phone Number (757) 721-2412

Species CC Loggerhead Turtle Number By Day 1

Reliability of I.D.: (CIRCLE) Positive Species Verified by State Coordinator? Yes ☐ No ☐

Sex: (CIRCLE) Female Male Undetermined How was sex determined? \_\_\_\_\_

State Virginia County Virginia Beach

Location (be specific and include closest town) 3 miles south of Back Bay National Wildlife Refuge beach access ramp.

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Condition of Turtle (use codes) 1 Final Disposition of Turtle (use codes) 1

Tag Number(s) (include tag return address and disposition of tag) No tags present.

Remarks (note if turtle was involved with tar or oil, gear or debris entanglement, wounds or mutilations, propellor damage, papillomas, epizoa, etc.) continue on back if necessary.

No marks or any noticeable injuries to identify cause of death.

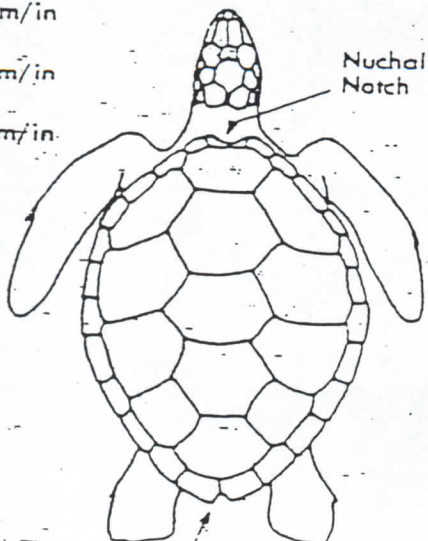
## MEASUREMENTS: CIRCLE UNITS

Straight Length \_\_\_\_\_ cm/in

Straight Width \_\_\_\_\_ cm/in

Curved Length 80 cm/in

Curved Width 76 cm/in



Mark wounds, abnormalities, and tag locations

Posterior

## CODES:

### SPECIES:

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- EI = Hawksbill
- LK = Kemp's ridley
- UN = Unidentified

### CONDITION OF TURTLE:

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- 5 = Skeleton, bones only

### FINAL DISPOSITION OF TURTLE:

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- 2 = Buried: on beach / off beach
- 3 = Salvaged specimen: all / part
- 4 = Pulled up on beach or dune
- 5 = Unpainted, left on beach

BKB:

CC: John Gallegos, Richard Muller, Don Schawb, ES,

FILE DESIGNATION: Sea Turtle Report to the Army Corps of Engineers

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FILE NAME: AcoeRpt1998

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